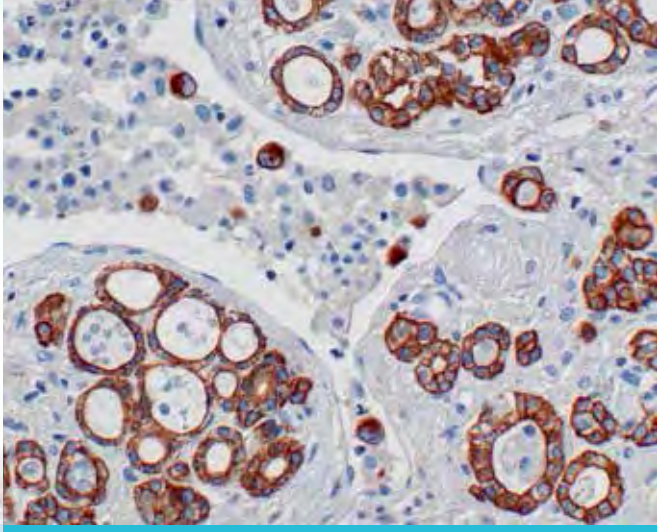


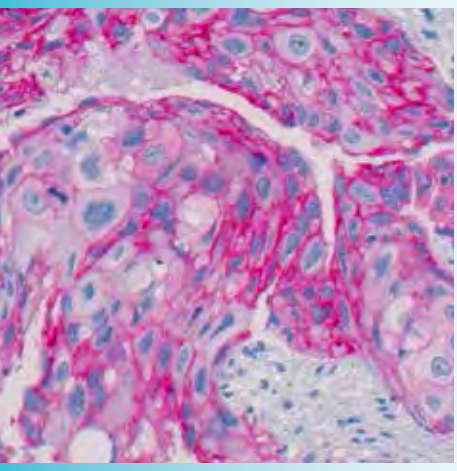
Thermo Scientific
Anatomical Pathology

Products and Services

2014 Catalog

- Histology
- Cytology
- Pathology Workstations
- Immunohistochemistry

Thermo SCIENTIFIC



Welcome to the Thermo Scientific Anatomical Pathology Products and Services Catalog

Dear Valued Customer,

We know what it takes to run today's lean environments, we are committed to developing innovative products that provide answers right when you need them. We recognise the importance of your job and support your efforts by providing quality instrumentation and consumables, expert service and knowledgeable application staff you can rely on.

The Thermo Scientific™ brand includes a complete line of anatomical pathology equipment and consumables, from specimen collection and sectioning to advanced staining and coverslipping. With a keen awareness of what it takes to run today's lean laboratory environments, we are committed to developing innovative products that answer the laboratory's toughest challenges. This innovation also comes with a commitment to the highest product quality standards. We're here to help with solutions for a more efficient, safer and productive lab environment.

Providing the best product for your laboratory is just step one. Just as important is our commitment to providing expert service. We offer a wide-ranging direct sales, distributor and customer service network that works to maintain up time and provide solutions to meet your laboratory's unique needs. Wherever you are in the world, you have access to our Thermo Scientific brand. Globally, we service more than 100 countries with our subsidiaries and extensive distribution partner network.

With a comprehensive line of laboratory diagnostic products and solutions for histology and cytology for both clinical and research institutions, you can count on Thermo Fisher Scientific. We're here to help with solutions for a more efficient, safer and productive lab environment and to provide answers right when you need them.

Sincerely,

Mark R. Straley
President
Anatomical Pathology Division

Table of Contents

Labelling and Tracking	2
Tissue Processing and Embedding	9
Cryotomy	21
Microtomy	34
Staining and Coverslipping	52
Consumables and Storage	60
Cytology	120
Pathology Workstations	133
IHC Instruments	150
Indexes	156

Product Support / Instrument Service

In-house Technical Product Support

- Available by specific product group
  - Assures you receive the support you are looking for, for the instrument you have.
- Support by factory-trained engineers.
  - Call this group for assistance, questions, or troubleshooting regarding your instrument.

Field Service Engineers

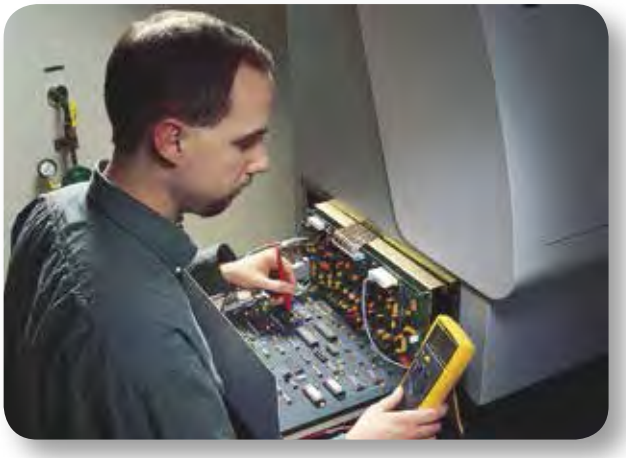
- Factory-trained engineers sent to your facility as soon as possible.
  - National coverage through a network of Direct Field Service Engineers.
- Assured support when you need it the most within your facility.
  - Factory-trained engineers with deep understanding of our instrumentation dispatched to your location.
- Provide confidence that your instrument will perform to your satisfaction after a repair.
  - Ensures only genuine replacement parts are used to repair your instrument.

Our instruments come with a comprehensive parts and labour warranty (1 full year for a new instrument); the primary objective is to provide you with a quality instrument.

Our warranty is tied directly to assuring your new instrument is fully covered and performs to your satisfaction.

In-House Repair Engineers

- Factory-trained engineers with deep understanding of our instrumentation are available as needed.
- Offering depot repair facilities for in-depth instrument repairs.
  - The goal is to assure your instrument is serviced completely when shipped to our Depot.



** We offer on-call support after hours for technical emergencies that involve tissue at risk*

Customer Service

Order Placement and Product Enquiries

We know how busy you are, that your time is valuable, and that you want to do business with a partner you can rely on. When you call into our Customer Care Service Department, your call will be answered by a live person in seconds: worldclass response by highly trained Customer Care Service Representatives who care about your business!

Our team services the following Thermo Scientific Anatomical Pathology Products and Services:

- Richard-Allan Scientific
- Thermo Shandon Limited
- Microm International GMbH
- R.A. Lamb
- IHC LabVision

Do you have items that you order the same quantity of on a weekly or monthly basis?

Standing orders are easy to set up and save you time. Ask your Customer Service professional today!

E-mail and fax orders are entered into our ordering system on the same day. For order accuracy and improved billing, please validate your purchase order for:

- Accurate “ship to” and “bill to” addresses
- Your contact information, including fax and phone
- Special shipping and handling instructions
- Auto confirmation through email
- Payment terms of Net 30
- Vendor information:

  Thermo Shandon Limited
  Subsidiary of Thermo Fisher Scientific Inc.
  Tudor Road, Manor Park, Runcorn, Cheshire,
  WA7 1TA

Hours of Operation:	**8am - 5pm (GMT)** *Monday to Friday*
Fax your enquiries:	**+44 (0)1928 534 049**
E-mail your enquiries:	**sales.ap.uk@thermofisher.com**

“... highly trained Customer Care Service Representatives who care about YOUR business!”

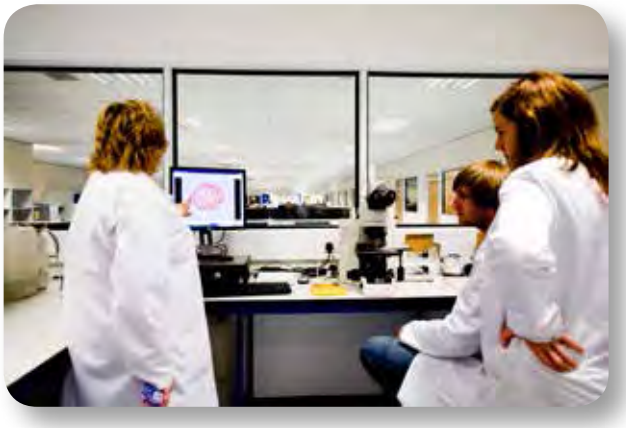
Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology

Centre of Excellence for Anatomical Pathology

- Located in Runcorn, in the North West of England, the new Thermo Fisher Scientific Centre of Excellence opened for business in 2009. Currently covering some 85,000 ft², this state of the art facility can be enlarged by a further 60,000 ft² to accommodate planned future growth.
- As well as providing enlarged facilities for: Research and Development, Instrument and Chemical Production, Customer Excellence, Engineering and Shipping the new site features a 3,400 ft² Customer Applications Laboratory and a 2,500 ft² Customer Training and Demonstration Suite.
- The availability of these latter two resources, combined with an enlarged in-house applications and training team, allows us to offer new levels of service and support to all users of Thermo Scientific Anatomical Pathology products.

Applications support

- Whether you need assistance with implementation, troubleshooting or any other issue related to obtaining the best performance from the Thermo Scientific Anatomical Pathology products you purchase from us, our Applications Teams are here to help.
- By using a single group email address: applications.ap.emap@thermofisher.com you can contact us for support on all areas related to our comprehensive range of products for Histology and Cytology, from specimen collection and grossing through to advanced staining, coverslipping and LIS connectivity.
- The availability of a new Applications Laboratory further expands the scope of the support we can offer. The ability, for example, to replicate, test and troubleshoot your procedures on-site, without the need for field visits, allows for faster outcomes and less disruption to your routine.



Applications Support Hotline
+44 (0) 800 018 9396

Promotion of Best Practice

- As a user of Thermo Scientific instrumentation for Anatomical Pathology you can register to be automatically alerted to new applications and protocols, best practices and relevant training events; Simply e-mail the applications team at: applications.ap.emap@thermofisher.com include “Best Practice Registration” in the subject line and provide brief details of instruments used, area of work (clinical, research, veterinary etc) and any special applications that you are involved in.

Training Support

- The dedicated Customer Training and Demonstration Suite, within the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology, contains a complete range of instrument types and associated consumables. Now customers can not only receive training on individual instruments, but also investigate and learn about the various options available (including LIS connectivity) to improve workflow and both patient and staff safety. Similarly for those considering the purchase of new instrumentation, viewing the products in our demonstration suite, rather than as stand-alone units, can help significantly when considering future product integrations and workflow planning.
- Customer training and demonstrations are also enhanced by the availability of the new Applications Laboratory. Now users and potential users can gain hands-on experience, using real reagents and tissues to practice the skills they have been taught, and directly evaluate new technologies they are looking to adopt.
- In support of specific product training, we also offer a program of Customer Days, which are held throughout the year. Each Customer Day focuses on a particular area of interest such as, labelling and verification, or Immunohistochemistry and includes an opportunity to meet the Thermo Fisher support teams and view our customer support areas. Attendance is free.
- To enquire about Customer Days, training opportunities, and product demonstrations at the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology please email: applications.ap.emap@thermofisher.com detailing your requirements and areas of interest.

Workflow Solutions

GROSSING

GrossLab Senior Pathology Workstation

High-quality pathology workstations

CRYOTOMY

CryoStar NX70 cryostat with Cold Disinfection

Fast, safe and complete protection for users throughout the day

TISSUE PROCESSING

Excelsior AS Tissue Processor

Unmatched user safety and ease of use for enhanced tissue quality

TISSUE EMBEDDING

HistoStar Embedding Centre

Ergonomic, high-capacity workstation with LED illumination

LABELLING & TRACKING

PrintMate On-Demand Cassette Printer

Meeting the needs of lean workflow and error reduction within your laboratory

HISTOLOGY CONSUMABLES

Thermo Scientific Histology Consumables

Full range of technically advanced Histology consumables

IMMUNOHISTOCHEMISTRY

Autostainer 360 and PT Module

Open and affordable IHC solution for high-quality IHC performance

MICROTOMY

HM355S Microtome

Providing safety, comfort and precision cutting

LABELLING & TRACKING

SlideMate On-Demand Slide Printer

Enabling the direct printing of information to reduce errors while enhancing LEAN workflow

STAINING

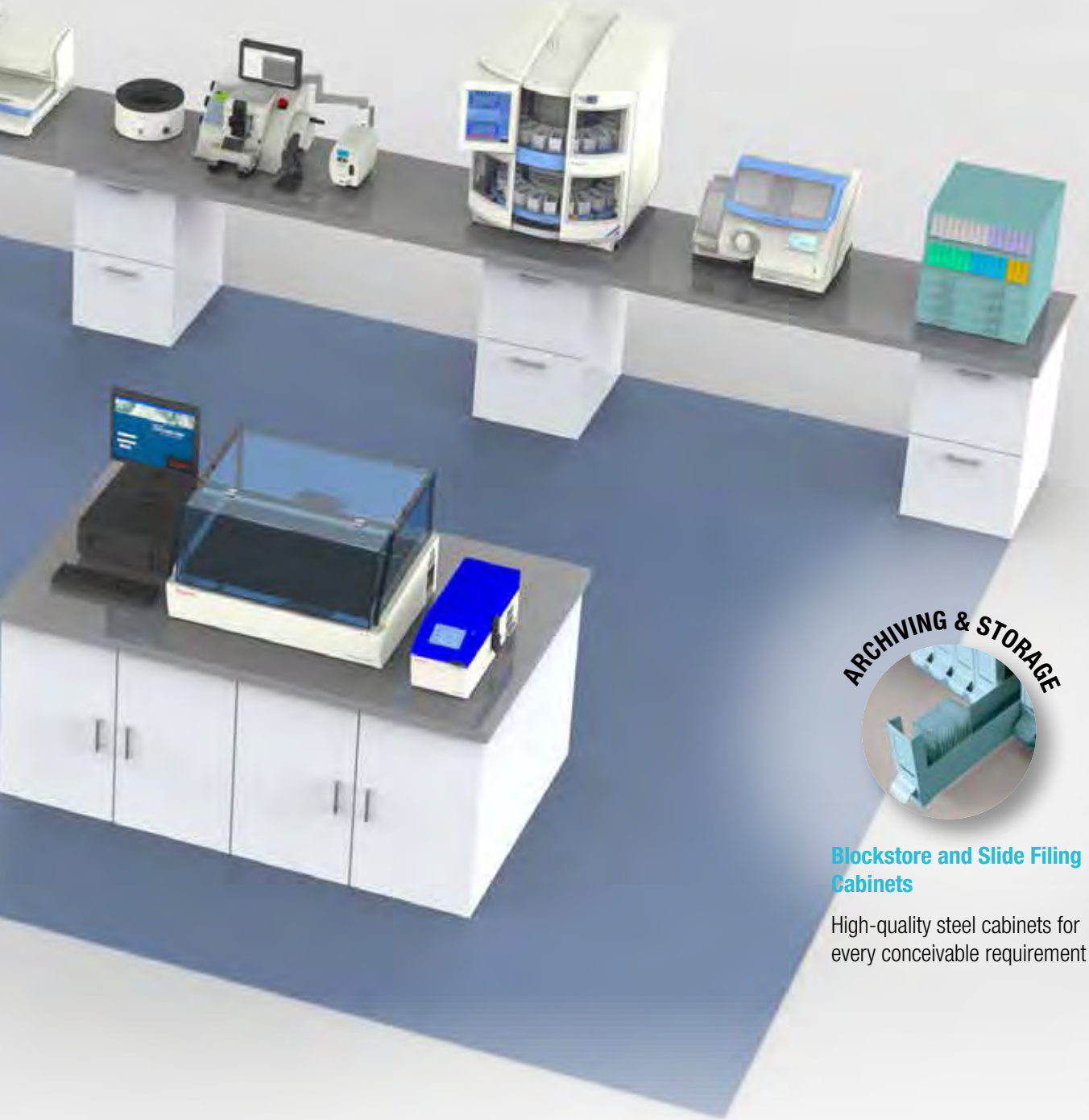
Gemini AS Slide Stainer

High-throughput, multiple protocol flexibility and a footprint to fit the tightest of spaces

COVERSLIPPING

ClearVue Coverslipper

Intelligent, automated coverslipping for a perfectly lean workflow



ARCHIVING & STORAGE

Blockstore and Slide Filing Cabinets

High-quality steel cabinets for every conceivable requirement

Thermo Scientific PrintMate Cassette Printer

Flexible units that grow with your laboratory workload

The Thermo Scientific™ PrintMate™ cassette printer meets the needs of LEAN workflow and reduces transcription errors within your laboratory.

- High-quality print means that every cassette is clearly marked with easy-to-read, permanent black type - 300dpi print is perfect for printing 2-D barcodes.
- The small size of the PrintMate cassette printer means it will fit easily next to the grossing area giving fast print-on-demand capability, allowing you to determine the optimal workflow solution for your laboratory
- Optional dual track collection system collects up to 100 cassettes in organizer trays. The trays are easily stacked and simplify the process of matching cassettes to specimen containers at the grossing station
- Collection chute enables you to place one PrintMate cassette printer between two technicians - bi-directional chutes ensure the correct cassettes are delivered to the appropriate technician
- The dispense system is able to reliably dispense a wide range of standard cassettes. A wide variety of optimized Thermo Scientific cassettes are available.

Thermo Scientific™ LabWriter™ Software Offers Print-On-Demand Capabilities

- Prints large batches or single cassettes using standard or custom numbering configurations
- Software can use barcodes from a requisition form or specimen container to automatically print cassettes, reducing errors caused by manual data entry
- Preview window lets you see what is about to be printed
- Can provide records of print jobs to help manage your staff and workflow

Connectivity - Uses All Current Interfaces

- Compatible with existing LIS interfaces to legacy Thermo Scientific printers

Physical Specifications

Dimensions for PrintMate 900 (D x W x H, without cassette tubes): 40 x 48 x 23cm

Dimensions for PrintMate 900 (D x W x H, with cassette tubes): 40 x 48 x 90cm

Max. Weight: 12kg

Power Requirements: 100-240V, 50/60Hz

Includes

Each unit comes with USB cable; power cable; 2, 6 or 12 hoppers (depending on model); one roll of tape (installed); software CD; and operator guide. Complete cassette printing systems additionally include PC, monitor and digital imager.

Dispense system for reliable dispensing of cassettes

Thermo Scientific PrintMate with collection system

Range of Thermo Scientific optimized cassettes available in tubes

Description	Order number
PrintMate 150 Cassette Printer	**A79500001**
PrintMate 150 Cassette Printing System	**A79500004**
PrintMate 450 Cassette Printer	**A79500002**
PrintMate 450 Cassette Printing System	**A79500005**
PrintMate 900 Cassette Printer	**A79500003**
PrintMate 900 Cassette Printing System	**A79500006**

Accessories	Order Number
Collection trays (4/pk.)	**A79510022**
Cassette hopper	**A79510024**
Cassette guide chute with extension	**A79510023**
15" All-in-one PC package with desktop stand	**B81300033**
Digital imager (Linear/2D Barcode Reader)	**B35310006**
Hot foil tape (5/pk.)	**A79510013**
Collection system	**A79510014**

For cassettes in tubes see page 6

Thermo Scientific SlideMate Slide Labeller

Bringing on-demand slide printing to the microtome

The Thermo Scientific™ SlideMate™ slide labeller reduces transcription errors whilst enhancing LEAN workflow.

- Small footprint fits easily next to the microtome or Cytology slide processor
- On-demand slide printing reduces errors caused by manual data entry and improving productivity
- Prints directly onto the slide, eliminating the need for labels or hand writing
- High quality printing of text, numbers and barcodes (linear and 2D)
- Flexible data input methods allow easy integration into the laboratory workflow
- Chemical resistant media ensures print durability
- Slides are held inside the unit's side door to protect them from dust and the environment
- LIS Connectivity
- Innovative collection tray operates on a first-in first-out (FIFO) basis
- Scan barcoded cassettes to immediately print slides for a single case

Physical Specifications

Dimensions (D x W x H): 24 x 15 x 23cm

Weight: 4.3kg

Power Requiements: 110 - 240V, 50/60 Hz.

Printing Specifications

Input Slide Capacity: 150 slides (Internal dispense hopper)

Output Slide Capacity: 10 slides (FIFO collection tray)

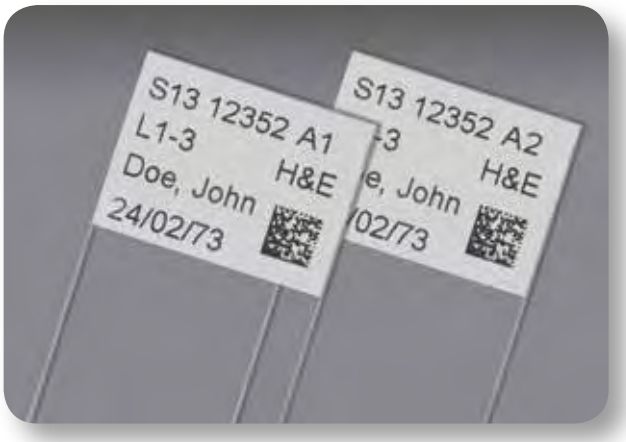
Printing Media: Black thermal transfer ribbon (25mm wide)

Printing Media Capacity: 1 roll = 12,000 slides approx.

Printing Speed: 3 - 12 slides / min. (coverage dependant)

Slide Type: 25 x 75 x 1mm with Superfrost or

Colorfrost end (Max. allowable – 26 x 76 x 1mm)



Thermo Scientific range of compatible slides

Description	Order Number
SlideMate print on-demand system *Includes SlideMate printer, scanner, keyboard interface and keyboard*	**B81300007**
SlideMate with LabWriter software *Includes SlideMate printer, LabWriter software and dongle*	**B81300008**
SlideMate printer	**B81300006**
SlideMate with mini PC Premium package (clamp-style arm) *Includes SlideMate printer, mini all-in-one PC with clamp-style arm, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus*	**B81300022**
SlideMate with mini PC Premium package (desktop stand) *Includes SlideMate printer, mini all-in-one PC with desktop stand, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus*	**B81300023**

Accessories	Order Number
Digital Imager (Linear/2D Barcode Reader)	**B35310050**
LabWriter Software for SlideMate	**B81310001**
Network Cable	**B35310012**
Keyboard Interface	**B81320043**
Keyboard	**B81310004**
Mouse	**B81310019**
Thermal Transfer Ribbon (hot-foil-tape)	**B81320041**
Mini PC Package with clamp-style arm	**B81300030**
Mini PC Package with desktop stand	**B81300031**
Stylus; 3-pack	**B81310054**
15” All-in-one PC package with clamp style arm	**B81300032**
15” All-in-one PC package with desk top stand	**B81300033**

Approved Slides
Shandon Superfrost Slides
Shandon Superfrost Plus Slides
ColorMark Frost Slides
ColorMark Plus Slides
Thermo Scientific Polysine Slides
Thermo Scientific Double Frost Slides 45º
Thermo Scientific Cytoslides
Thermo Scientific Cytoslides, coated

For compatible slides see page 72

Thermo Scientific Cassettes in Tubes

A wide range of high-quality cassettes for use with Thermo Scientific PrintMate and Thermo Scientific™ MicroWriter™ cassette printers

Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number *Cassettes only - 1500 (20 tubes x 75)*	Order Number *Cassettes & Lids - 3000 (40 tubes x 75)*
	A84210010	A84210100
	A84210011	A84210101
	A84210012	A84210102
	A84210013	A84210103
	A84210014	A84210104
	A84210015	A84210105
	A84210016	A84210106
	A84210017	A84210107
	A84210018	A84210108
	A84210019	A84210109

Lid Type	Qty.	Order Number
Stainless Steel	25 pk.	1001003
White Plastic	1000 pk.	E10/LID

Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number *Cassettes only - 1500 (20 tubes x 75)*	Order Number *Cassettes & Lids - 3000 (40 tubes x 75)*
	A84210020	A84210110
	A84210021	A84210111
	A84210022	A84210112
	A84210023	A84210113
	A84210024	A84210114
	A84210025	A84210115
	A84210026	A84210116
	A84210027	A84210117
	A84210028	A84210118
	A84210029	A84210119

Lid Type	Qty.	Order Number
White Plastic - Biopsy	1000 pk.	E10/B/LID

Slotted Cassettes

- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number *Cassettes only - 1500 (20 tubes x 75)*	Order Number *Cassettes & Lids - 3000 (40 tubes x 75)*
	A84210030	A84210120
	A84210031	A84210121
	A84210032	A84210122
	A84210033	A84210123
	A84210034	A84210124
	A84210035	A84210125
	A84210036	A84210126
	A84210037	A84210127
	A84210038	A84210128
	A84210039	A84210129

Lid Type	Qty.	Order Number
White Plastic - Slotted	1000 pk.	E10/S/LID

Thermo Scientific™ TissueLoc™ Biopsy Cassette (Cassette IV)

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number *(10 tubes x 75)*
	41760-T
	41751-T
	41753-T
	41757-T
	41758-T
	41759-T
	41754-T
	41755-T
	41750-T
	41752-T

Thermo Scientific TissueLoc Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number *(10 tubes x 75)*
	41730-T
	41721-T
	41723-T
	41727-T
	41728-T
	41729-T
	41724-T
	41725-T
	41720-T
	41722-T

Thermo Scientific™ HistoScreen™ Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

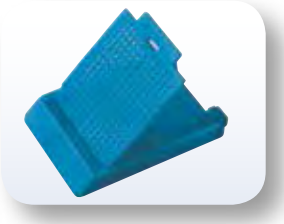
Colour	Order Number *(10 tubes x 75)*
	C-750-AQ
	C-750-BL
	C-750-GR
	C-750-GY
	C-750-LI
	C-750-OR
	C-750-PK
	C-750-TN
	C-750-WH
	C-750-YW

Thermo Scientific Slimsette Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number *(10 tubes x 75)*
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Thermo Scientific™ Slimsette™ Biopsy Cassette



- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number *(10 tubes x 75)*
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Thermo Scientific Slimsette "Micromesh" Cassette

- Pore style - small holes (0.36mm)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number *(10 tubes x 75)*
	B1000734AQ
	B1000734BL
	B1000734GR
	B1000734GY
	B1000734LI
	B1000734OR
	B1000734PE
	B1000734PK
	B1000734TN
	B1000734WH
	B1000734YW

Innovation in tissue processing

Enhanced tissue quality

Touchscreen user interface and enhanced software

Easy-fill wax chute

Disposable waste wax tray

Since its launch over 10 years ago, the name Excelsior has become a global name in tissue processing.

With its unique reagent management system, the Thermo Scientific™ Excelsior™ tissue processor provides the lowest cost of ownership while ensuring processing of the highest quality.

The Excelsior AS tissue processor not only surpasses its predecessors for quality and efficiency, but it also introduces a whole host of new features representing over a decade of continuous product development.

State of the art technology

to streamline your workflow

Turn the page to find out more ...

Thermo Scientific Excelsior AS Tissue Processor

Walk-away tissue processing with enhanced tissue quality and lowest cost of ownership

The Thermo Scientific™ Excelsior™ AS tissue processor is the latest and most highly specified version of the popular Excelsior tissue processor. With its unique reagent management system, all new touch screen and wealth of safety features, the Excelsior AS remains the instrument of choice for laboratories throughout the world. Our users select this proven technology to meet their most challenging tissue processing applications time after time.

Features

- New high clarity touch screen display with intuitive software control
- Automatic in-process reagent rotation—no manual handling of reagents
- Automatic first alcohol quality monitoring
- New disposable wax tray system; makes wax replacement clean and simple
- Organised and random baskets capable of taking up to 300 cassettes
- Daily operations mode for rapid start of routine protocols
- Systematic logging and reporting of quality control data, event records, and program information
- Three distinct fill levels in chamber to shorten processing times
- Eight customised programs and eight flush options
- Six password-protected areas
- Web-based instrument monitoring system – Netmon II – for rapid remote diagnosis
- International icons to accommodate all users; multi-lingual
- USB connectivity

Performance

- Unique reagent monitoring and management system delivers significant reagent cost savings
- Reagent quality of first alcohol is measured using specific gravity; operator is alerted when replenishment of reagents is needed
- Reagent preheating option allows for more consistent and rapid processing
- Circular chamber design allows greater temperature uniformity
- Continuous agitation circulates reagents freely around specimens
- Organised basket takes 222 cassettes (optional basket takes 300 cassettes) and promotes maximum reagent infiltration
- Glass lid allows viewing during processing
- Baskets are microwavable and designed to be used in conjunction with microwave secondary-fixation (see page 18 for details about the Thermo Scientific TissueWave™ 2 Microwave Processor)

Safety

- Built-in downdraft ventilation minimises operator exposure to hazardous vapours
- Reagent storage cabinet is built to enhance safety standards and is vented through two additional filters for further fume control
- Reagent rotation minimises manual handling of reagents
- Specimen safety and protection is accomplished by battery back-up
- Two independent remote alarms alert user of any issues
- Automatic underfill recovery finishes processing in safest environment possible

Physical Specifications

Dimensions (D x W x H): 52 x 67 x 160cm

Weight: 112kg

Power Requirements: 950VA (maximum); 200VA (typical)

Disposable waste wax tray

Includes†

Organised basket (six supplied) to process 222 cassettes and random basket to process up to 300 cassettes‡, basket lid (organised and random), two formaldehyde (potassium permanganate) filters, charcoal vapour filter, water flush bottle and cap and two 5L storage bottles, five disposable waste wax trays, operator guide, service record book, quick reference cards, spatula and 19mm A/F spanner wrench.

† Contents, packaging and quantities of inclusions are subject to change without notice.

‡ When using 5L reagent bottles.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Full-colour touchscreen user interface

Thermo Scientific Paraffin

Thermo Scientific offers a wide range of paraffin types to suit all histological applications. Rapid infiltration, extra-thin sections and hard/fibrous tissue applications are all accommodated. Many of our paraffin types are available in bag sizes to fit the new Excelsior AS wax tray system, making wax exchange even simpler than ever. Consult the Consumables section of this catalogue for information about our full range of paraffin products.

Description	Order Number
Excelsior AS	A82300001

Accessories	Order Number
Formaldehyde (potassium permanganate) filter; 6/pk.	B9990612CS
Charcoal filters; 6/pk.	7411258
Service manual	A82310101
High volume organised basket (50 cassette capacity per basket)	A82310038
Storage bottles; 5L; 6/pk.	A78410026
Downdraft extraction duct adapter kit	A78410023
Main air system duct adapter kit	A78410024

Wax Accessories	Order Number
Paraffin w/drawer kit, Histoplast PE	8330EK
Paraffin w/drawer kit, Histoplast IM	8331EK
Paraffin w/drawer kit, Histoplast LP	8332EK
Paraffin w/drawer kit, Type 1	8334K
Paraffin w/drawer kit, Type 3	8335K
Paraffin w/drawer kit, Type 6	8336K
Paraffin w/drawer kit, Type 9	8337K
Paraffin w/drawer kit, Precision Cut	B1002490K
Paraffin w/ drawer kit, Shandon Histoplast	6774006K
Waste wax drawer, Excelsior, 5/cs	8300

For paraffins see page 79

For processing reagents see page 78

Thermo Scientific Netmon Service

Remote monitoring system for peace of mind - all of the time

Thermo Scientific™ Netmon™ Service

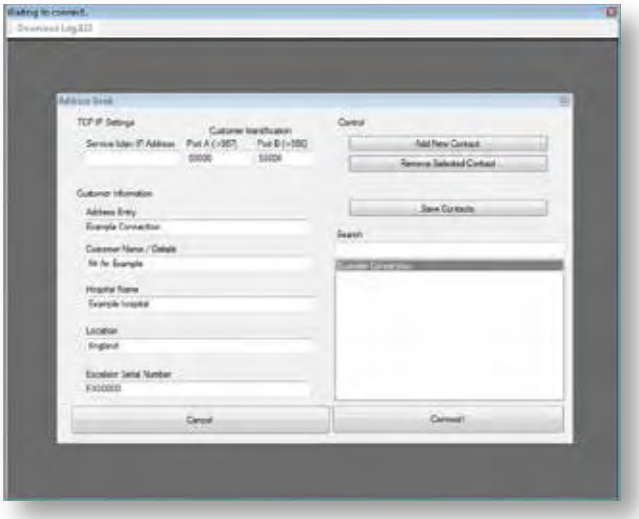
This service directly connects the tissue processor in a customer's laboratory to the Thermo Scientific Service Support Centre, providing high-value support services to the user in a real-time manner.

Netmon Service includes:

- Monthly preventive maintenance review
- Monthly monitoring report for inclusion in customer's Quality Management system; signature of the service support engineer is included with report
- Rapid online diagnosis and resolution of system problems
- Escalation to service call, if required, with dispatch of needed spare parts
- Online technical support to resolve operational issues

Customized Monthly Report provides information regarding four fundamental system tests listed below:

- Fluid transfer check
- Peak fluid temperatures
- Alcohol quality measurement
- Error checks



Ordering Information

Please contact your local Sales Representative for information about other Netmon capabilities and complete ordering information.

Netmon at Home

Provides a way of always staying connected to your tissue processor. Allows you to remotely access your tissue processor from the comfort of home. To check status or respond to any error messages, simply dial in and fix the problem without going to the lab. Available only to Netmon customers.

Provides access to the following information:

- Status
- Alcohol quality measurement
- Progress through a processing run
- Error checks

Ordering Information

Other features are available; consult your representative for details

Thermo Scientific STP 120 Spin Tissue Processor

Compact, benchtop carousel tissue processor

The Thermo Scientific STP 120 spin tissue processor is designed to process biological specimens from chemical fixation to wax infiltration. Unique design uses programmable gentle centrifugal force to augment normal vertical agitation process associated with carousel processors.

Features

- Immediate and delayed-start processing modes
- Spin speed programmable from 0, 60 or 70rpm
- Programmable immersion time in each station (from 1 minute to 99 hours and 59 minutes)
- Basket capacity of 120 cassettes (optional double basket operation increases capacity to 240 cassettes)
- Battery back-up system in case of power failure

Performance

- Reagent vessel tops and charcoal-enhanced ventilation help control processing vapours
- Microprocessor unit can maintain up to 10 processing programs
- Cassette baskets spin counterclockwise and clockwise within reagent container to improve processing
- Reagent carryover is reduced through centrifugal spinning of basket above reagent vessel; 1.8L reagent volume for each vessel

Ordering Information

Choose from two instrument versions: one basket, two wax baths and a fume system, or two baskets, three wax baths and a fume system.

Physical Specifications

Diameter: 85cm

Height: 50cm opening to 70cm

Weight: 70kg

Power Requirements: 100-240V, 50-60Hz

Includes

Basic instrument, instruction manual, and 10 reagent vessels and two wax baths for single basket operation (120-cassette capacity), or nine reagent vessels and three wax baths for double basket operation (240-cassette capacity)

Description	Order Number
With 2 wax baths and processing basket	813150
With 3 wax baths and 2 processing baskets	813160

For paraffins see page 79

For processing reagents see page 78

Thermo Scientific Citadel 2000 Carousel Tissue Processor

Proven performance in tissue processing

The compact design of the Thermo Scientific™ Citadel™ 2000, carousel tissue processor, coupled with its proven processing quality, ease of operation and excellent chemical resistance explain why it has become the tried and trusted choice for thousands of laboratories worldwide.

Features

- Tissue specimens are automatically raised from their reagent containers every 10 minutes and then re-immersed in a powerful and effective agitation system
- Optional vacuum unit facilitates efficient and rapid wax infiltration of specimens.
- 10 reagent containers and 2 wax baths with programmable immersion times for optimal processing of a variety of tissue types.
- Intuitive touch key pad incorporates all the functions required to program and control your own specific processing cycle.
- Up to four complete schedules can be programmed, stored, recalled and monitored on the digital display at the touch of a button.
- Delayed start time is enabled by the hand-held controllers' real time clock display which allows programming of the processing start time with up to 9 days delay.
- Loading and unloading of specimens is made easy with the specially designed tissue basket hanger. It clips positively into the hood interior and can be removed just as simply.
- Handles on reagent containers at each station facilitate easy and safe reagent change.
- Users can choose to use either random baskets holding up to 70 cassettes or the special organiser baskets which hold up to 110 cassettes.
- Smooth surfaces and contoured design facilitate easy cleaning.
- Integral fume hood greatly reduces release of vapors creating a safer, more pleasant laboratory environment.
- Easy change of reagent containers when replenishing reagents reduces the risk of spillages and operator exposure to harmful reagents.
- When raised above a reagent container specimens remain in a high vapour content environment, reducing the risk of drying out even in the event of a power failure.
- Excellent Chemical Resistance

Physical Specifications

Dimensions (H x Ø): 62.5cm x 68cm

Weight: 48kg

Reagent container capacity: 2L

Wax bath capacity: 1.7L

Basket capacity: 110 (Organised); 70 (Random)

Power Requirements: 500 VA

Description	Order Number
Citadel 2000; 220 - 240V, 50/60Hz	69800004

Accessories	Order Number
Vacuum Unit; 220 - 240V	69810024
Random Basket	69810035
Organiser Basket (inc. 4 x 25 cassette baskets and 1 x 10 cassette basket)	69810030
Basket Lid	69810031
Wax Bath; 220 - 240V	69810051
Reagent Container; Plastic	69810018
Reagent Container; Stainless Steel	69810131

For paraffins see page 79

For processing reagents see page 78

Thermo Scientific™ TissueWave™ 2 Microwave Processor

Efficiency, versatility and precision with minimal instrumentation

Used for tissue fixation and processing, decalcification of hard material, routine special stains where heat would accelerate the staining process and for epitope enhancement during immuno-histochemical staining.

Performance

- Designed for greater flexibility to meet growing workload demands
- User-friendly instrument will free up technician time for more complex procedures and will consistently deliver uniformly excellent results in a fraction of the time
- Offers load-on-demand capabilities; it is ready when the specimen is ready
- Assists with secondary fixation before routine processing of fatty tissues
- Uses Thermo Scientific™ PolarHeat™ technology to accelerate paraffin heating
- Offers flexibility for speciality labs

Safety

- Ventilation system interlock
- Two-door interlocks to prevent microwave leakage
- Two temperature interlocks to prevent overheating

Features

- Programmable protocols and memory recall
- Vacuum chamber for rapid fixation and paraffin infiltration
- Temperature and power controls. Ability to convert wattage protocols
- Easy-to-use display screen and tri-coloured control panel for easy programming
- Flexible temperature probe that guarantees accurate temperature control to ±1°C

Physical Specifications

Overall Dimensions (D x W x H): 62 x 54 x 48cm

Chamber dimensions: 24 x 34 x 39cm

Weight: 35kg

Power Requirements: 120V system, 15 amp service minimum

(20 amp recommended); 230V system, 10 amp service minimum (15 amp recommended)

Includes†

Glass air agitator tubing (pk. of 3), Thermo Scientific™ Excelsior™ organiser baskets (2 ea.), interior lamp, microwavable specimen container, 2.5L, operator guide, temperature probe, glass vacuum chamber.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Certifications

Designed to meet IEC 61010, CSA, UL and CE Mark

Description	Order Number
110 - 120V, 60Hz	B35600002
220 - 240V, 50/60Hz	B35600001

Accessories	Order Number
Excelsior ES organised baskets (2/pk.)	A78410025
Microwave detector, handheld model	B35240070

For paraffins see page 79
For processing reagents see page 78

Thermo Scientific™ PolarHeat™ Sheets

This breakthrough product heats paraffin in the microwave, eliminates pre-heating and disseminates microwaves evenly throughout the paraffin

Qty.	Order Number
50/pk.	B35610001
100/pk.	B35610002
200/pk.	B35610003

Thermo Scientific HistoStar Embedding Center

The shining new light in embedding

With it's cool, contoured surfaces and innovative features, the Thermo Scientific™ HistoStar™ embedding center delivers real improvements in user comfort and productivity.

Features

- Cool and contoured - All user contact points are smooth and insulated providing a cool and comfortable workspace. Pressure points and uncomfortable heated areas are eliminated.
- Well lit and clutter free - Cool LED lighting (Pat. Pending) provides specimen illumination, at 5 user selectable intensities, without the clutter of awkward remote lighting. A low profile dispense head further enhances specimen visibility.
- High capacity - With its large capacity tissue storage tank the HistoStar is capable of accepting baskets from any tissue processor. The 5 liter paraffin reservoir and large area cold plate have been designed for maximum productivity in the busiest of laboratories.
- Any sample size handled with ease - HistoStar is the first embedding center to incorporate an adjustable paraffin dispenser paddle. A simple adjustment moves the paddle to accommodate the samples you are working with. Even Super Mega Cassettes can be embedded with ease.
- Intuitive Interface - Large easy to read touch screen display allows quick access to the precise temperature controls and other parameters. Programmable "sleep" mode saves energy and accommodates user workflow.
- Full accessory range - Optimise your HistoStar embedding system with a wide range of tools and accessories; including: tamping tools, heated forceps, magnifier and foot pedal.
- Integrated Thermo Scientific™ Paratrimmer™ - The only embedding center with a heated wax trimmer built directly into the work space. Now excess paraffin can be removed during the embedding process without the need for additional equipment.
- Dependable Performance - The robust design of the HistoStar minimises moving parts, reducing wear and service requirements and thus ensuring dependable performance for years to come.

High capacity tissue storage tank and mould storage

LED lighting

Physical Specifications

Dimensions:

Embedding module (W x D x H): 650 x 600 x 410 mm
Cold module (W x D x H): 430 x 600 x 410 mm

Weight:

Embedding module: 25 kg
Cold module: 20 kg

Wax Reservoir Capacity: 5 litres

Temperatures

Wax reservoir: 50 – 70°C
Cold spot: 5°C
Hot spot: 50 – 70°C
Tissue storage: 50 – 70°C
Mold storage: 50 – 70°C
Cold plate: -12°C

Description	Order Number
HistoStar Instrument (Complete)	
220 - 240V; 50/60Hz	**A81000001**
100 - 120V;50/60Hz	**A81000002**
220 - 240V; 50/60Hz	**A81000003***
Embedding Module	
100 - 240V; 50/60Hz	**A81000007**
100 - 240V; 50/60Hz	**A81000008***
HistoStar Cold Module	
220 - 240V; 50/60Hz	**A81000004**
100 - 120V;50/60Hz	**A81000005**
220 - 240V; 50/60Hz	**A81000006***

** China variant - not available in ROW*

Accessories	Order Number
Tamping tools kit; 2/pk. *(1 x 20mm; 1 x 12mm)*	**A81010030**
Spatula kit; 2/pk.	**A81010031**
Cassette lid storage cover	**A81010026**
Magnifier assembly	**A81010032**
Footswitch	**AP16629**
Heated forceps; Red – 1mm tip	**A81010033**
Heated forceps; Yellow – 2mm tip	**A81010034**
Heated forceps; Blue – 4mm tip	**A81010035**
Document holder kit	**A81010036**

For paraffin see page 79
For cassettes see page 68

Thermo Scientific Lab Support Products

Products to make any lab complete

Slimline Wax Dispenser

Features

Designed to take up the minimum amount of bench space whilst having a capacity of approximately 5L

Electronic temperature control and easy-to-read digital display

Physical Specifications

Dimensions (D x W x H): 42.5 x 17 x 40.5cm

Weight: 6.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66SLD/230**
110 - 120V; 50/60Hz	**E66SLD/120**

High Capacity Wax Dispenser

Features

Ideal for laboratories where a higher volume of molten wax is required - capacity of 10L

Electronic temperature control and easy-to-read digital display

Inner reservoir is made from aluminium for good thermal conductivity

Reservoir filter screen prevents coarse particles from blocking the delivery tap

Physical Specifications

Dimensions (D x W x H): 38.5 x 27.5 x 52.5cm

Weight: 8.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66HC/230**
110 - 120V; 50/60Hz	**E66HC/120**

High Capacity Section Dryer

- Designed to give maximum drying area while taking up a minimum of bench space
- Air at digitally controlled temperature is blown up through base and back of instrument to effect rapid drying without overheating
- Digital controller facilitates accurate, constant temperature control from 40° to 90°C
- Drying chamber is polished stainless steel with an autoclavable drip tray
- Air intake has removable filters and external finish is an easy-to-clean epoxy coating
- An optional shelf kit is available to increase capacity further

Physical Specifications

Dimensions (D x W x H): External - 31 x 47 x 37cm; Internal - 24.5 to 20 x 44 x 19.5cm

Weight: 14kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
Section dryer, 220 - 240V; 50/60Hz	**B3120203**
Section dryer, 110 - 120V; 50/60Hz	**B3120202**
Accessory shelf	**B3120202SH**

Description	Order Number
220 - 240V; 50/60Hz	B3120206
110 - 120V; 50/60Hz	B3120205

Thermo Scientific Paratrimmer

The Thermo Scientific™ Paratrimmer™ is designed to remove excess wax from the outside of a tissue cassette after embedding by sliding the outside of the block across the heated surface

Paraffin should be removed to properly seat the block in the quick-release clamp or vice to achieve the best section quality from your microtome

Features heated surface with ridges

Multiple blocks may be passed across the surface at one time

Physical Specifications

Dimensions (D x W x H): 13 x 18.5 x 17cm

Weight: 0.9kg

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL and CE Mark

Digital Paraffin Section Flotation Bath

- Digital temperature controller with a bright, easy-to-read display
- Holds water at a constant temperature to flatten wax or resin sections prior to lifting them onto a microscope slide
- Also used for hot staining except with corrosive substances. Top rim of the unit has generous space for drying slides
- Drop-on stainless steel lid covers bowl when not in use
- Deep, tapered, stainless steel bowl offers maximum resistance against corrosion
- Matt black PTFE bowl and upper casing provide visual contrast against wax sections
- Lower steel casing has a resistant epoxy coating

Physical Specifications

External Dimensions (D x W xH): 43.5 x 27.5 x 17cm

Bowl Dimensions (I.D. x D): 22 x 8.5cm

Weight: 4.6kg

Temperature Range: 30 to 65°C (±1°) at 20°C ambient

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	E65D/230
110 - 120V; 50/60Hz	E65D/120

Mini Hot Plate

Used in histology for removing stubborn wrinkles from sections and for re-orientating embedded tissue. Can be used to heat fix bacterial smears while avoiding cell damage through overheating in microbiology applications.

- Manufactured to operate over a fixed temperature range of 70 to 80°C
- Lower casing is made from stainless steel; top is matt black, epoxy-coated aluminium

Physical Specifications

Dimensions (D x W x H):

External - 15 x 15 x 6cm

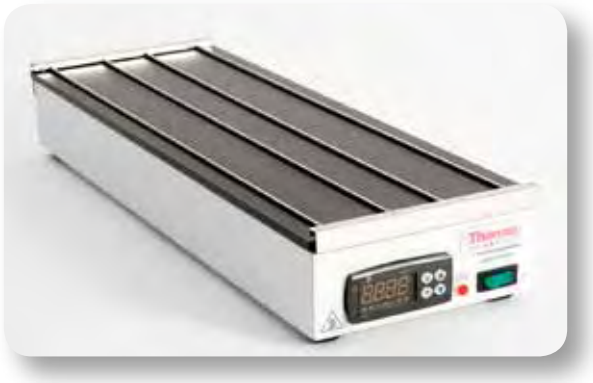
Heated area - 14 x 14cm

Weight: 0.55kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**3120063**
110 - 120V; 50/60Hz	**3120074**

Slimline Digital Hotplate



Designed to evaporate water and solvents from slides and mounting media quickly. Also used for warming wax-embedded specimens and for hot staining procedures.

- Slides rest above surface of hot plate to accelerate drying
- Top has matt black epoxy coating, providing visual contrast against the wax sections; lower casing is finished in an epoxy coating
- Controls are at the front of the hot plate and the digital thermostat allows selection of operating temperatures in 40 to 95°C range

Physical Specifications

Dimensions (D x W x H): 51.5 x 17.6 x 8.5cm

Weight: 2.9kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**E18/1SL**
110 - 120V; 50/60Hz	**E18/1SL/120**

Designed for your comfort

Engineered for premium quality sections

Thermo Scientific™ CryoStar™ NX50

Thermo Scientific™ HM525 NX

Exceptional sectioning quality

Ergonomic and simple to operate

Built-in user safety features

Thermo Scientific Cryostat Range and Selection Guide

Cryostat features	CryoStar NX70	CryoStar NX50
Page no:	**24**	**26**
Sanosil® Cold D disinfection	Optional	Optional
UV disinfection		
Formalin disinfection		
Microtome outside chamber	✓	✓
Chamber temp ≤ -25°C	✓	✓
Fast freeze temperature	-57°C ±3°C	-57°C ±3°C
Automatic defrost	✓	✓
Blade cooling	✓	✓
Blade temperature control	✓	Fixed
Specimen head temperature control	✓	✓
Equipped with vacutome	Optional	Optional
Fast freeze cooling mechanism	Peltier	Peltier
Motorised coarse advance	✓	✓
Specimen trimming	✓	✓
Specimen retraction	20µm	20µm
Section thickness range	0.5 - 500µm	0.5 - 500µm
Motorised coarse feed	✓	✓
Motorised handwheel	✓	
Cryobar cooling / freezing stations	18 (1)	18 (1)
Touchscreen operation	✓	✓
Height adjustable chamber	✓	Optional

Cryotome FSE	HM525 NX
30	28
	Optional
✓	
✓	
✓	✓
-55°C	-60°C
✓	✓
✓	
Refrigerant	Peltier
✓	✓
✓	✓
40µm	40µm
1 - 60µm	1 - 500µm
✓	✓
6	27 (4)
✓	✓

Thermo Scientific™ CryoStar™ NX70 Cryostat

Pioneering design for unparalleled frozen sectioning performance

An ergonomic multi-option motorized cryostat, with a unique rapid response temperature control system.

Cryochamber Features

Spacious stainless steel chamber for workflow organisation

Independent cooling of blade holder to -35°C

Separate specimen head cooling to -50°C ±3°C

18 cryobar storage positions including 1 quick freeze location

Integrated peltier fast freezing device rapidly cools to -60°C

Programmable and immediate defrost options

Optional vacutome for stretching of cryosections and disposal of trimming and sectioning waste

Microtome Features

Choice of manual or motorised sectioning

4 motorised cutting modes including single, interval, multiple and continuous

Adjustable cutting speed from 0-256mm/s

Section thickness from 0.5µm to 500µm

Precise stepping motor blade advance for minimal vibration when sectioning

Vertical stroke length of 64mm

48mm horizontal feed range

20µm specimen retraction on return stroke, with optical indication

XY specimen orientation with 360° z axis rotation

Ergonomic / Safety Features

Height adjustment from 82-112cm to allow for standing or seated operation

Body contoured band and integrated arm rest controls

Motorised coarse advance to max 3mm/s

Multi-function joystick control

Emergency stop, handwheel and electronic brake

Double tap start function to ensure intentional operation

3 programme memory for storage of regular sectioning parameters

Rapid 50 minute Cold D disinfection

Physical Specifications

Dimensions (D x W x H): 100 x 75.5 x 82 - 112cm (adjustable)

Weight: 200kg

Power Requirements: 100 - 240V; 50/60Hz

Includes

Five specimen stages,(4 x 30mm, 1 x 40mm), anti-roll plate, section waste tray, brush shelf, debris brush, sectioning brush, blade handling tool and operator guide.

Description	Order Number
Standard version	
220-240V; 50-60Hz	**957040**
100V; 50Hz	**956960**
115-120V; 50Hz	**957000**
With Cold D	
220-240V; 50-60Hz	**957050**
100V; 50Hz	**956970**
115-120V; 50Hz	**957010**
With vacutome	
220-240V; 50-60Hz	**957060**
100V; 50Hz	**956980**
115-120V; 50Hz	**957020**
With Cold D and vacutome	
220-240V; 50-60Hz	**957070**
100V; 50Hz	**956990**
115-120V; 50Hz	**957030**

Accessories	Order Number
Low profile blade holder	**705840**
High profile blade holder	**705940**
16cm C knife (solid steel)	**152020**
Steel knife carrier	**705950**
Anti roll plate	**449980**
Foot pedal	**640380**
Sanosil; 1L bottle	**350150**
Measuring Cup	**334220**
Coarse filter f/use with vacutome (pk. of 25)	**281000**
Plastic funnel	**334240**
Specimen Chuck, 20 mm	**715530**
Specimen Chuck, 40 mm	**715610**
Specimen Chuck, 60 mm	**715620**
Cryo-Mold, 10 mm	**570400**
Cryo-Mold, 15 mm	**570380**
Cryo-Mold, 22 mm	**570390**

For blade holders see page 31
For disposable blades see page 84

Thermo Scientific™ CryoStar™ NX50 Cryostat

Designed for performance, created for comfort

A multi-option manual cryostat with intuitive software for ease of use. Ergonomic design ensures operator comfort, especially during prolonged periods of use.

Cryochamber features

- Spacious stainless steel chamber for workflow organisation
- Chamber cooling to -25°C ±2°C (at 20°C ambient)
- Separate specimen head cooling to -43°C ± 2°C (at 20°C ambient)
- Continuously cooled knife holder to -27°C ± 2°C (at 20°C ambient)
- 18 cryobar storage positions including 1 quick freeze location
- Integrated peltier fast freezing device rapidly cools to -57°C ±3°C
- Programmable and immediate defrost options
- Optional vacutome for stretching of cryosections and disposal of trimming and sectioning waste

Microtome features

- Manual light touch rotary flywheel
- Section thickness from 0.5µm to 500µm
- Precise stepping motor blade advance for minimal vibration when sectioning
- Vertical stroke length of 64mm
- 48mm horizontal feed range
- 20µm specimen retraction on return stroke, with optical indication
- XY specimen orientation with 360° z axis rotation

Ergonomic/Safety features

- Optional height adjustment from 82-112cm to allow for standing or seated operation
- Body contoured band and integrated arm rest controls
- Motorised coarse advance to max 3mm/s
- Optional rapid 50 minute Cold D disinfection
- Handwheel lock, blade guard and magnetic blade removal tool
- Touch screen operation with intuitive software to accommodate multiple users

Physical Specifications

Dimensions (DxWxH) 100cm x 75.5cm x 82-112cm (adjustable)

Weight: 200Kg

Includes

Five specimen stages,(4 x 30mm, 1 x 40mm), anti-roll plate, section waste tray, brush shelf, debris brush, sectioning brush, blade handling tool and operator guide.

Description	Configuration	Order Number
20-240V, 50/60Hz	OP	**957220**
220-240V, 50/60Hz	OPH	**957210**
220-240V, 50/60Hz	OPV	**957200**
220-240V, 50/60Hz	OPD	**957140**
220-240V, 50/60Hz	OPDV	**957160**
220-240V, 50/60Hz	OPHV	**957170**
220-240V, 50/60Hz	OPHD	**957150**
220-240V, 50/60Hz	OPHVD	**957240**
100-120V, 50/60Hz	OP	**957250**
100-120V, 50/60Hz	OPV	**957270**
100-120V, 50/60Hz	OPD	**957100**
100-120V, 50/60Hz	OPDV	**957120**
110-120V, 60Hz	OPH	**957260**
110-120V, 60Hz	OPHV	**957230**
110-120V, 60Hz	OPHD	**957110**
110-120V, 60Hz	OPHVD	**957130**
100V, 50/60Hz	OPH	**957180**
100V, 50/60Hz	OPHV	**957190**
100V, 50/60Hz	OPHD	**957080**
100V, 50/60Hz	OPHVD	**957090**

Accessories	Order Number
Low profile blade holder	**705840**
High profile blade holder	**705940**
16cm C knife (solid steel)	**152020**
Steel knife carrier	**705950**
Anti roll plate	**449980**
Sanosil; 1L bottle	**350150**
Measuring Cup	**334220**
Coarse filter f/use with vacutome (pk. of 25)	**281000**
Plastic funnel	**334240**
Specimen Chuck, 20 mm	**715530**
Specimen Chuck, 40 mm	**715610**
Specimen Chuck, 60 mm	**715620**
Cryo-Mold, 10 mm	**570400**
Cryo-Mold, 15 mm	**570380**
Cryo-Mold, 22 mm	**570390**

For blade holders see page 31

For disposable blades see page 84

O - Object Cooling

P - Peltier

H - Height Adjustment

V - Vacutome

D - Cold D

Thermo Scientific HM525 NX Cryostat

A high performance routine cryostat with intuitive software and touchscreen for simple, efficient operation.

Cryochamber features

- Chamber cooling to -35°C
- 27 cryobar storage positions including 4 quick freeze locations
- Integrated peltier fast freezing device rapidly cools to -55°C ±2°C
- Programmable and immediate defrost options

Microtome features

- Manual light touch rotary flywheel
- Section thickness from 1µm to 500µm
- Memory function for rapid advance and specimen positioning
- Vertical stroke length of 64mm
- Automatic specimen retraction on return stroke
- 28mm horizontal feed range
- XY specimen orientation with 360° z axis rotation

Ergonomic/Safety features

- Mechanical handwheel lock
- Optional UV disinfection
- Touch screen operation with intuitive software to accommodate multiple users
- Increased leg room for comfortable sectioning while sitting or standing

Physical Specifications

Dimensions (DxWxH) 76cm x 64 x 115cm (excludes handwheel)

Weight: 143Kg

Power requirements: 220-240V, 50/60Hz

Includes

Six specimen chucks,(30mm),freezing medium,(118ml), cryostat oil (118ml), section waste tray, debris brush, sectioning brush, tools and operator guide.

Description	Order Number
HM525 NX basic instrument	
115V; 60Hz	**956640**
230V; 50Hz	**956650**
HM525 NX with UV disinfection	
115V; 60Hz	**956641**
230V; 50Hz	**956651**

Accessories	Order Number
Magnetic cleaner	160030
Heat extractor	524490
Solid blade holder	705460
Disposable blade holder EC	705470
Disposable blade holder EC-70	705630
Anti-roll plate for use with EC-70	449980
Specimen chuck 20mm (colour coded)	715700
Specimen chuck 30mm (colour coded)	715220
Specimen chuck 40mm (colour coded)	715230
Freezing disc 40mm	715690
Protect II cryostat disinfectant	350270
Flat cryostat brush	334160
Goat hair brush	334170
Brush, bevelled	334180
Cryo-Mold, 10mm	570400
Cryo-Mold, 15mm	570380
Cryo-Mold, 22mm	570390
Rust preventing oil, 100ml	350070
Lubricating oil, 100ml	350110
Cryostat oil, 100ml	350040

For blade holders see page 31
For disposable blades see page 84

Thermo Scientific Cryotome FSE Cryostat

Designed to meet the needs of clinical settings

Features spacious chamber, coloured cryocassettes and a superior bladeholder design for easily obtaining high-quality frozen sections.

Cryochamber Features

- Spacious chamber with temperature controls from 0°C to -35°C
- Cryobar with adjustable temperature controls and dedicated cryobar refrigeration system rapidly cools specimen to prevent freezing artifact formation
- Rapid temperature response reduces turnaround time; The Thermo Scientific™ Cryotome™ FSE cools rapidly from ambient to set temperature in as little as two hours
- Dual compressor system ensures specimen integrity by keeping specimen frozen if cryobar fails
- Specimen holder temperature control allows enhanced sectioning of a variety of tissue types; 0°C to -40°C, within ±10°C of chamber temperature

Microtome Features

- Microtome outside of the cryochamber makes it easier and quicker to clean
- Colour-coding identifies lever functions
- Angle of clamp plate enables easy specimen pick-up; "quickheated" specimen release allows easy removal of specimen from cryocassette
- Section thickness adjustment: 1 to 20µm in 1µm increments, 20 to 60µm in 5µm increments
- Total specimen advance of 25mm

Ergonomic / Safety Features

- Cryostat features formaldehyde fumigation for the disinfection of the cryochamber
- Multi-level security code protection prevent unauthorised access and protocol alterations; remote alarm in case of system failure
- Positive-locking flywheel prevents injury while working around blade and specimen

Physical Specifications

Dimensions (D x W x H): 74 x 70 x 125cm

Weight: 125kg

Power Requirements: 220 - 240V; 50/60Hz

Includes

Cryocassettes (various sizes), cassette handle, three heat extractors (standard, half-weight and double weight), spanner, debris brush, specimen brush, operator guide, operator guide CD, installation instructions, service record book, debris tray, cryo-bar shelf, right-hand storage shelf, cryobar identification and location cover, cryobar cover.

Description	Order Number
Cryotome FSE; 230V; 50Hz	A78900003

Accessories	Order Number
Solid blade holder	A78910047
Low profile blade holder	A78910032
High profile blade holder	A78910033
Glass anti-roll plate	A78930200
Perspex anti-roll plate	A78910075
Cryobar cover	A78910041
Debris tray	A78910039
Heat extractor, standard	A78910014
Heat extractor, double-weight	A78910037
Heat extractor, half-weight	A78910036

For blade holders see page 31

For disposable blades see page 84

Thermo Scientific Cryostat Blade Holders

Description	Order Number	CryoStar NX70	CryoStar NX50	HM525 NX	Cryotome FSE
Blade holders for disposable blades					
EC70	**705630**			✓	
EC for high and low profile blades	**705470**			✓	
Low profile blade holder	**705840**	✓	✓		
High profile blade holder	**705940**	✓	✓		
Low profile blade holder	**A78910032**				✓
High profile blade holder	**A78910033**				✓
Blade holders for solid blades					
Steel knife holder	**705950**	✓	✓		
Standard	**705460**			✓	
Universal blade holder	**A78910047**				✓

EC70 Disposable Blade Holder

- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (69.5mm)

Complete **705630**

EC Disposable Blade Holder

- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (39mm)

Complete **705470**

Low Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Use with low profile disposable blades

Complete **705840**

High Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Use with either standard or heavy duty high profile disposable blades to provide a wide range of tissue sectioning options

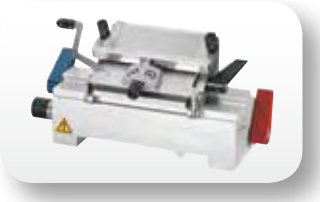
Complete	**705940**

Low Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with low profile disposable blades

Complete	**A78910032**

High Profile Disposable Blade Holder



- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with either standard or heavy duty high profile disposable blades to provide a wide range of tissue sectioning options

Complete	**A78910033**

Standard Blade Holder

- For use with standard solid blades
- Clearance angle adjustment and removable clamping jaws
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates

Complete	**705460**

Steel Knife Holder

- For use in systems with or without a vacutome
- Basic part without anti-roll guide for the insertion of either the SEV standard blade holder or standard C and D profile solid blades (up to 185mm)
- Adjustable clearance angle setting
- Magnetic fixation of blade holder or knife via smooth running clamping elements with blade guard effect
- Anti-roll guide can be set via a vertical setting screw

Complete	**705950**

Universal Blade Holder

- Accepts standard C and D profile blades up to 220mm; standard length is 120mm
- Can be used with either standard steel blades or with a disposable blade holder
- Use in conjunction with disposable blade holders (P/Ns: 40 or 47)

Complete	**A78910047**

Thermo Scientific Specimen Staging Solutions

Description	Order Number	CryoStar NX70	CryoStar NX50	HM525 NX	Cryotome FSE
Specimen Stages					
20mm Specimen Stage	**715700**		✓		
30mm Specimen Stage	**715220**			✓	
30mm Specimen Stage	**715710**		✓		
30mm Specimen Stage	**715600**	✓			
40mm Specimen Stage	**715230**			✓	
40mm Specimen Stage	**715720**		✓		
40mm Specimen Stage	**715610**	✓			
60mm Specimen Stage	**715620**	✓			
50 x 50mm Specimen Stage	**715730**		✓		
50 x 50mm Specimen Stage	**715630**	✓			
55 x 55mm Specimen Stage	**715740**		✓		
60 x 55mm Specimen Stage	**715750**		✓		
75 x 50mm Specimen Stage	**715640**	✓			
75 x 70mm Specimen Stage	**715760**		✓		
Cryocassettes					
9.5mm, cryocassette; annular with handle (4pk.)	**77210153**				✓
25mm, cryocassette; crosshatched (6pk.)	**A78910056**				✓
25mm, cryocassette; annular with handle (4pk.)	**77210150**				✓
35mm, cryocassette; annular with handle (4pk.)	**77210151**				✓
40mm, cryocassette; crosshatched (6pk.)	**A78910031**				✓
40 x 28mm, cryocassette; crosshatched (4pk.)	**A78910057**				✓
45mm, cryocassette; annular with handle (4pk.)	**77210152**				✓
Variety pack (1 ea. 77210150 to 77210153)	**77210154**				✓
Cryocassette handle (4pk.)	**A78910058**				✓
Cryo-Moulds					
Cryo-Mold, 10mm	**570400**	✓	✓	✓	✓
Cryo-Mold, 15mm	**570380**	✓	✓	✓	✓
Cryo-Mold, 22mm	**570390**	✓	✓	✓	✓

Thermo Scientific Microtome Range and Selection Guide

Microtome Features	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
See Page No.	36	38	40	41	42	43	44
Rotary	✓	✓	✓	✓	✓		
Sliding						✓	✓
Detachable operation panel	✓	✓	✓				
Manual coarse advance				✓	✓		✓
Motorised coarse advance	✓	✓	✓			✓	
Section / trim thickness range	0.5 - 500µm	0.5 - 100µm	0.5 - 500µm	0.5 - 60µm	1.0 - 30µm	1.0 - 100µm	1.0 - 60µm
Motorised sectioning	✓	✓				✓	
Handwheel locks in any position	✓	✓	✓	✓			
Integrated waste tray	✓	✓	✓	✓	✓	✓	✓
“Rocking” mode	✓	✓	✓				
Macro / SuperMega capability	✓	✓	✓	✓		✓	✓
Compatible with Cool-Cut	✓		✓	✓			
Compatible with Section Transfer System (STS)	✓		✓	✓			
Resin cutting capability	✓	✓					

Thermo Scientific Cool-Cut and Thermo Scientific Section Transfer System

Simplify workflow at the microtome with two specially designed accessories which integrate seamlessly with Thermo Scientific™ Rotary Microtome HM 355S, HM 340E and HM 325 rotary microtomes

Thermo Scientific™ Cool-Cut™

Features

- Designed to maintain a cool, consistent temperature for paraffin blocks during the sectioning process
- Peltier device fits directly onto the specimen cylinder of the rotary microtome and can be equipped with a universal cassette clamp or a standard specimen clamp
- Particularly effective during extended cutting periods for “step sections” or “serial sections” through the paraffin block

Includes

Peltier device with integrated specimen clamp, counter-balance weights and power supply.

Description	Order Number
With universal cassette clamp	771110
With standard clamp	771120

Thermo Scientific™ Section Transfer System™

Features

- Adjustable, laminar water flow rate produces more usable sections per block
- Selectable water temperature from ambient temperature up to +45°C
- Illuminated, aluminium water bath
- Specially designed disposable blade holder supports the transfer ramp

Includes

Control unit, water bath with lid, section transfer unit, disposable blade holder and cables.

Description	Order Number
For microtomes with dovetail guideway	771190
For microtomes with bar guideway	771200
Orientable special specimen clamp	715550

Thermo Scientific HM 355S Rotary Microtome

Ergonomic characteristics with reproducible precision

A fully automated rotary microtome designed for all applications in clinical, research and industrial labs

Features

- One of the safest, most ergonomic and intuitive fully automated rotary microtomes available
- Automated sectioning can be operated via velocity knob, start button or optional foot pedal
- Accidental start prevented by double click operation
- Ergonomic removable control panel can be located on either side of the microtome
- Memory function for specimen positioning
- Touch-pad keyboard to select section thickness, sectioning mode, speed and memory function
- Easy switch between thickness settings for TRIM and SECTION/FINE
- X/Y fine orientation with reproducible zero positioning
- “Rocking mode” speeds up the trimming process by transmitting the movement of the handwheel directly to the object
- Automatic brake following motorised action
- Easily accessible emergency stop button
- 4 motorised modes of operation (single section, interval, multi sections, and continuous)
- Programmable cutting window
- Motorised specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections even of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm

Weight: 31kg

Total Specimen Advance: 28mm

Cutting Stroke: 72mm

Sectioning Speed: 0 – 450mm/s

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 5 - 500µm

Retraction: 40µm, disengageable

Includes

100ml Para/Guard™, standard tools, brushed aluminium cover plate, dust cover, instruction manual.

Description	Order Number
HM 355S without clamp and blade holder	**905200**

Accessories	Order Number
Blade holder N	705820
Blade holder C	705810
Disposable blade holder E	705800
Disposable blade holder ER *(recommended for Macro/SuperMega Cassettes)*	705830
Universal cassette quick release clamp orienting head	715020
Universal cassette quick release clamp fixed head	546060
Standard cassette vice clamp	715010
Macro / SuperMega Cassette clamp	716130
Quick release clamp for embedding rings	715560
Clamp for round specimens	546180
Round Specimen Clamp Set	715580
6 - 9mm insert for round clamp	546190
9 - 14.5mm insert for round clamp	546270
15 - 21mm insert for round clamp	546200
22 - 28mm insert for round clamp	546210
Foil clamp to be fitted in standard specimen clamp	715040
“V” insert	715100
“V” distance piece	715320
Segment arc	715590
Universal spec. holder for segment arc	715060
Histo Collimator (220V)	755120
Large field magnifier (220V)	760160
Stereomicroscope Zeiss Stemi 2000, including adapter	755210
Foot pedal	640380

For blade holders see page 45
For disposable blades see page 84

Thermo Scientific™ Finesse™ ME+ Rotary Microtome

Meets the most demanding workloads found in today's busy laboratories

A fully automated rotary microtome for easy sectioning of paraffin and hard specimens in clinical, research and industrial applications

Features

- One of the safest, most comfortable, and user-friendly microtomes offered today
- Excellent for routine wax sections and specialized resin work
- Improved blade holder provides greater versatility, improved productivity, and increased stability while sectioning
- Choose settings for standard wax or resin sectioning
- Display monitors a range of functions including cutting speed, section count, section thickness, and advance distance
- Arrow keys control specimen advance and rewind
- Includes selectable retraction feature
- Instantly switch between TRIM and SECTION settings; trim and section speeds are independently selectable
- Autoload option automatically resets specimen head to a ready position for quickly changing blocks on high-throughput projects
- Rock mode: specimen head advances by a set amount to trim specimens without turning the handwheel through full turns
- Emergency stop immediately cuts power to the motor
- User-selected cutting sector control maximises throughput by allowing the return stroke to be faster than the optimised cutting stroke
- Three cutting modes include continuous cutting
- Choose from 11 languages for viewing commands
- Standby key allows the unit to go into "sleep" mode which saves the customized parameters in memory
- Wide, curved arm rests
- Precision-response, free-running, balanced flywheel
- Operational from front or side positions

Includes

Fine-orienting head, standard quick release specimen clamp, operator guide (specify language when ordering), top organiser tray, debris tray, dust cover, footswitch and service record book.

Certifications and Compliance

IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Physical Specifications

Dimensions (D x W x H) 59 x 48 x 33cm

Weight: 40kg

Power Requirements: 150VA

Note: Low voltage adaptor kit must be installed by a qualified technician; please specify at time of order

Technical Specification

Total Specimen Advance: 35mm

Cutting Stroke: 65mm

Maximum Advance Speed: 2400µm/s

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 2 - 100µm

Retraction Range: 0 - 125µm

Section Counter

Distance Display

Multi-lingual Display

Blade-angle position locator

Specimen Orientation Light

Description	Order Number
Finesse ME+	A77500015

Accessories	Order Number
Low profile disposable blade holder	A77510272
High profile disposable blade holder	A77510275
Solid blade holder	77510171
Ralph glass blade holder	77510168
Triangular glass blade holder	77510170
60 x 55mm vice (macro cassettes)	77510167
50 x 45mm vice	0201
50 x 30mm vice	0214
25 x 30mm vice	0313
Standard quick release clamp	0303
10mm spacer bar	0215
Large “V” spacer (fits 0201; 0214)	0216
Small “V” spacer (fits 0201; 0214)	0220
Thin foil specimen holder (fits 0214; 0313)	0223
JB4 resin clamp (fits 0201)	77510178
EBH-2 resin clamp (fits 0201)	A77510181
Fixed orienting head	77510164
Cold point light source	77510252
Camel hair brush	1910
Cooling tray; ice cooled	77510174
Cooling tray; dry cooled	77510175
Service manual	77510162

For blade holders see page 45
For disposable blades see page 84

Thermo Scientific HM 340E Rotary Microtome

Multi purpose microtome for clinical and research laboratories

Features

- Universal, multi-purpose microtome with high section stability
- Ergonomic removable control panel can be located on either side of the microtome
- Touch-pad keyboard controls thickness, mode and speed
- Easy switch between thickness settings for TRIM and SECTION/FINE
- Memory function for section positioning
- X/Y fine orientation with zero positioning
- Motorised specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections of Macro / SuperMega cassettes

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm

Weight: 25kg

Total Specimen Advance: 28mm

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 5 - 500µm

Retraction: 40µm

Includes

100ml Para/Gard™, standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
HM 340E without clamp and blade holder	905190

Accessories	Order Number
Blade holder N	705820
Blade holder C	705810
Disposable blade holder E	705800
Disposable blade holder ER *(recommended for Macro/SuperMega cassettes)*	705830
Universal cassette quick release clamp orienting head	715020
Universal cassette quick release clamp fixed head	546060
Standard cassette vice clamp (must be used with P/N: 546080)	715010
Macro/SuperMega Cassette clamp	716130
Quick release clamp for embedding rings	715560
Clamp for round specimens	546180
6 - 9mm insert for round clamp	546190
9 - 14.5mm insert for round clamp	546270
15 - 21mm insert for round clamp	546200
22 - 28mm insert for round clamp	546210
Foil clamp	715040
“V” insert	715100
“V” distance piece	715320
Segment arc	715590
Universal spec. holder for segment arc	715060
Zero orienting device	715200
Aligner	556000
Histo Collimator (220V)	755120
Large field magnifier (220V)	760160
Foot pedal	640380
Stereomicroscope Zeiss Stemi 2000, including adapter	755210
Interlock plug	615190

For blade holders see page 45

For disposable blades see page 84

Thermo Scientific HM 325 Rotary Microtome

Manual rotary microtome for routine clinical and research laboratories

Features

- High stability and precision for premium quality paraffin sections
- Unique section thickness setting with removable knobs allowing operation with both the left and the right hand
- Resettable electronic section counter
- Two quick trim stages (10µm and 30µm) independent from the preset fine section thickness
- X/Y fine orientation with reproducible zero positioning
- Manual coarse feed wheel
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 49 x 42 x 28cm

Weight: 23kg

Total Specimen Advance: 28mm

Section Thickness Range: 0.5 - 60µm

Mechanical trim stages (10µm / 30µm)

Retraction: 60µm

Includes

100ml Para/Gard™, standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
HM 325 without clamp and blade holder	**902100**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard specimen clamp	**715010**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546080**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
“V” insert	**715100**
“V” distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**

For blade holders see page 45

For disposable blades see page 84

Thermo Scientific™ Finesse™ 325 Manual Microtome

Manual rotary microtome for routine histology

A rotary microtome designed for all applications of paraffin and hard specimens in clinical, research and industrial labs

Features

- Precision-response, free-running flywheel with ergonomic design
- Brake may be activated at any position of the flywheel
- Retraction feature is standard and may be disengaged at the user's request
- Supplied with a quick-release cassette clamp and X/Y orientation head as standard
- Disposable blades or standard microtome blades may be used with this unit (with appropriate knife holder)
- Modern ACCU-FEED system provides high-quality reproducible sections throughout the length of specimen travel
- ACCU-FEED specimen advance is selectable in 1 micron steps from 1 to 30 microns
- Specimen tilt/orientation is ±5° using X/Y micro adjustment
- Removable deep debris tray for ease of cleaning
- Removable organizer tray located at the top of the unit for cassette organization and tools
- Specify blade holder at time of order
- Quick-release cassette holders and visas are available separately

Includes

Fine-orienting head, standard quick-release clamp specimen travel alarm/indicator, resettable section counter, organizer tray, debris tray, dust cover, microtome oil, operator guide.

Physical Specifications

Dimensions (D x W x H): 50 x 41 x 29cm

Weight: 40kg

Certifications and Compliance

CE Mark (IVDD compliant)

Description	Order Number
Finesse 325	A78100001

Accessories	Order Number
Low profile blade holder	0321
High profile blade holder	0322
Universal blade holder	0318
50 x 45mm vice	0201
50 x 30mm vice	0214
25 x 30mm vice	0313
10mm spacer bar	0215
Large "V" spacer (fits 0201; 0214)	0216
Small "V" spacer (fits 0201; 0214)	0220
Thin foil specimen holder (fits 0214; 0313)	0223
Camel hair brush	1910

For blade holders see page 45

For disposable blades see page 84

Thermo Scientific HM 450 Sliding Microtome

Electronic sliding microtome with automatic fine sectioning and trimming

Features

- For routine clinical histology, biological/botanical applications and for industrial samples
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system ensuring fast, comfortable and non-tiring operation
- Incorporates stepping motor technology to assure precise, accurate specimen advancement
- Trimming function allows for precision block trimming prior to the sectioning function
- Automatic or manual sectioning can be selected
- User-friendly control panel allows for easy setting of sectioning parameters
- Display panel for selection of section counter, step sum, remaining travel and specimen position memory function
- Selectable specimen retraction
- Motorised coarse feed with three different speed settings
- Integrated removable waste tray
- X/Y fine orientation with reproducible zero positioning
- Blade holder with integrated, movable blade guard
- Ergonomic handle for moving blade holder

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm

Section thickness range: 1 to 100µm

Vertical feed range: 40mm (max.)

Horizontal blade stroke: 190mm (max.)

Dimensions (D x W x H): 49 x 36 x 32cm

Weight: 22kg

Description	Order Number
HM 450	**910020**

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	**705200**
For high profile blades	**705340**
Wooden storage case	**152160**
Low profile disposable blade holder (1 blade)	**705430**
Wooden storage case for 705430	**705490**
Low profile disposable blade holder (2 blades)	**705440**
Wooden storage case for 705440	**705500**
5mm Height adjustment plate	**448070**
10mm Height adjustment plate	**440400**
20mm Height adjustment plate	**440410**
Standard Specimen Clamp with waste tray	**715470**
Standard Specimen Clamp without waste tray	**715480**
Universal cassette clamp with waste tray	**715490**
Drip tray for std. and universal cass. clamp	**502140**

For disposable blades see page 84

Thermo Scientific HM 430 Sliding Microtome

Sliding microtome with smooth running knife sledge for ease of use in routine histology and research applications

Features

- Selection of the stroke length depending on the size of the specimen
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system
- Easy knob turn selects manual or automatic advance
- Integrated removable waste tray
- X/Y fine orientation with reproducible zero positioning
- Blade holder with integrated, movable blade guard
- Ergonomic handle for moving blade holder

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm

Section thickness range: 1 to 60µm

Vertical feed range: 40mm (max.)

Horizontal blade stroke: 190mm (max.)

Dimensions (D x W x H): 49 x 31 x 32cm

Weight: 22kg

Description	Order Number
HM 430	910010

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	705200
For high profile blades	705340
Wooden storage case	152160
Low profile disposable blade holder (1 blade)	705430
Wooden storage case for 705430	705490
Low profile disposable blade holder (2 blades)	705440
Wooden storage case for 705440	705500
5mm Height adjustment plate	448070
10mm Height adjustment plate	440400
20mm Height adjustment plate	440410
Standard Specimen Clamp with waste tray	716090
Standard Specimen Clamp without waste tray	716080
Universal cassette clamp	
With waste tray	715490
Without waste tray	715500
Drip tray for standard and universal cass. clamp	502140

For disposable blades see page 84

Thermo Scientific Microtome Blade Holders

Blade Holder Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Blade holders for disposable blades								
E for high and low profile blades	705800	✓		✓	✓			
ER for high and low profile blades	705830	✓		✓	✓			
Low profile blade holder	A77510272		✓					
High profile blade holder	A77510275		✓					
Low profile blade holder	0321					✓		
High profile blade holder	0322					✓		
Eccentric fast clamping; low profile	705200						✓	✓
Eccentric fast clamping; high profile	705340						✓	✓
For single low profile blade	705430						✓	✓
For two low profile blades	705440						✓	✓
Blade holders for solid blades								
Universal solid blade holder	0318					✓		
Standard solid blade holder N	705820	✓		✓	✓			
Solid blade holder C	705810	✓		✓	✓			
Solid blade holder	77510171		✓					
Ralph glass blade holder	77510168		✓					
Triangular glass blade holder	77510170		✓					

For disposable blades see page 84

E Disposable Blade Holders

- With quick clamp system for high and low profile blades, clearance angle adjustment
- Movable blade guard with scale covers the entire blade in any position

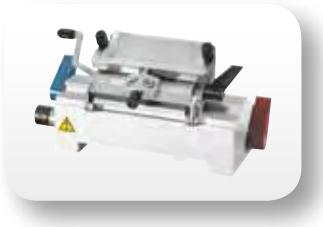
Complete for HM 355S / HM 340E / HM 325	**705800**

ER Disposable Blade Holders

- With quick clamp system for high and low profile blades, clearance angle adjustment
- Clamping plate moves laterally to move the blade without needing to unclamp
- Used for cutting Macro/SuperMega cassettes (vertically)
- Movable blade guard covers the entire blade in any position
- Removable cutting angle adjustment lever

Complete for HM 355S / HM 340E	**705830**

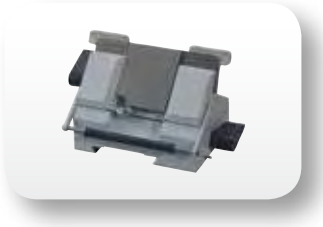
High and Low Profile Disposable Blade Holders for Finesse ME+



- Improved clamping mechanism reduces the need for blade holder maintenance and improves reliability
- Large clamp plate allow easy section retrieval and clamps blade fully along its length
- Entire top stage moves laterally for increased safety
- Reduced wear on clamping mechanism

Complete low profile	**A77510272**
Complete high profile	**A77510275**

High and Low Profile Disposable Blade Holders for Finesse 325



- With quick clamp system for high and low profile blades
- Clearance angle adjustment
- Provides a wide range of tissue sectioning

Complete low profile	**0321**
Complete high profile	**0322**

Universal Solid Blade Holder

- For use with the Thermo Scientific Finesse 325 only
- Accepts standard C or D profile blades up to 185mm
- Use with standard steel blades or with disposable blade holders P/Ns 40 or 47

Complete	**0318**

Standard Solid Blade Holders N

- With integrated blade guard and clearance angle adjustment
- Blade height can be adjusted by means of a guidance bar
- Removable cutting angle set lever

Complete for HM 355S / HM 340E	**705820**

Solid Blade Holders C

- Stable version for use with tungsten carbide and conventional blades
- Central clamping plate provides optimal stability where the cutting forces are highest
- Allows full use of the entire blade edge and clearance angle adjustment
- Removable cutting angle set lever

Complete for HM 355S / HM 340E	**705810**

Solid Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Accepts commonly used blades
- Blade guard covers unused part of the blade and can be closed fully to cover entire blade
- Includes blade angle memory position indicator

Complete	**77510171**

Ralph Glass Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 1 micron

Complete	**77510168**

Triangular Glass Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 0.5 micron

Complete	**77510170**

For disposable blades see page 84

Thermo Scientific Microtome Specimen Clamps

Specimen Clamp Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Quick release specimen cassette clamp	0303		✓			✓		
Standard specimen clamp	715010	✓		✓	✓			
Standard specimen clamp; fixed head	546070	✓		✓	✓			
Quick release clamp for embedding rings	715560	✓		✓	✓			
Universal quick release clamp	715020	✓		✓	✓			
Universal cassette clamp; fixed head	546060	✓		✓	✓			
Adjustable universal cassette clamp	716130	✓		✓	✓			
Cassette clamp for macro cassettes	716120	✓		✓	✓			
60 x 55mm vice	77510167		✓			✓		
50 x 45mm vice	0201		✓			✓		
50 x 30mm vice	0214		✓			✓		
25 x 30 vice	0313		✓			✓		
10mm spacer bar	0215		✓			✓		
Small “V” spacer	0220		✓			✓		
Large “V” spacer	0216		✓			✓		
Thin foil specimen holder	0223		✓			✓		
JB4 resin clamp (fits 0201)	77510178		✓			✓		
EBH-2 resin clamp	A77510181		✓			✓		
Foil clamp fitted directly to specimen cylinder	715030	✓		✓				
Foil clamp for use with standard specimen clamp	715040	✓		✓	✓			
Sandwich supporting material	175010	✓		✓				
Round specimen clamp with no inserts	546180	✓		✓				
Round specimen clamp with all inserts	715580	✓		✓				

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
6mm insert for round specimens; used with standard specimen clamp	715070	✓		✓				
15mm insert for round specimens; used with standard specimen clamp	715080	✓		✓				
19mm insert for round specimens; used with standard specimen clamp	715280	✓		✓				
25mm insert for round specimens; used with standard specimen clamp	715090	✓		✓				
Light jaw for use with insert for round specimen	546080	✓		✓				
"V" insert	715100	✓		✓	✓			
"V" distance piece	715320	✓		✓	✓			
Segment arc	715590	✓		✓	✓			
Universal specimen holder	715060	✓		✓	✓			
30mm specimen stage	715360	✓		✓	✓			
40mm specimen stage	715370	✓		✓	✓			
40 - 50mm specimen stage	715380	✓		✓	✓			
Quick release clamp for embedding rings; with waste tray	716090						✓	
Quick release clamp for embedding rings; without waste tray	716080						✓	✓
Standard specimen clamp with waste tray	715470						✓	✓
Standard specimen clamp without waste tray	715480						✓	✓
Universal cassette clamp with waste tray	715490						✓	
Universal cassette clamp without waste tray	715500						✓	✓
Fine orientating head	77510166		✓					
Fixed head	77510164		✓					

Thermo Scientific Microtome Accessories

Accessory Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Large field magnifier; 220V	760160	✓		✓	✓			
Large field magnifier; 110V	760170	✓		✓	✓			
Histo collimator, 220V	755120	✓		✓	✓			
Histo collimator, 110V	755130	✓		✓	✓			
Cold point light source, 220V (UK)	77510261		✓					
Cold point light source, 220V (Euro)	77510252		✓					
Cold point light source, 110V	77510262		✓					
Foot pedal	640280	✓						
Specimen transfer system for bar guideway	771200	✓		✓	✓			
Cool-Cut with universal clamp	771110	✓		✓	✓			
Cool-Cut with standard clamp	771120	✓		✓	✓			
Zeiss stemi 2000 stereomicroscope	755210							

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades					High Profile Blades	
Description	MX35 Ultra	MX35 Premier +	MX35 Premier	MB Dynasharp	MB22 Premier	HP35 Ultra	HP35
Order Number	3053835	3052835	3051835	3050836	3050822	3153735	3150734
Edge Angle	34°	34°	34°	34°	22°	34°	34°
Soft Tissue	✓✓	✓	✓	✓✓	✓	✓✓	✓
Hard Tissue	✓✓	✓✓				✓✓	
Cryostat	✓✓	✓	✓	✓	✓✓	✓✓	
Thin Sectioning	✓✓	✓	✓	✓	✓✓	✓✓	✓✓
Biopsies & Recuts	✓✓	✓	✓✓	✓✓		✓✓	

Disposable Blade Matrix Key: ✓ - Good; ✓✓ - Best

Thermo Scientific HM 650V Vibrating Microtome

Innovation in sectioning

Features

- Designed for cutting fixed and unfixed tissue samples as well as non-biological specimens without the need for freezing or embedding
- The vibrating system reduces artifacts by minimizing damage to the cells
- Amplitude and frequency can be set independently which ensures the optimal combination for every possible specimen
- Cutting speed can be selected between 0 - 50 mm/sec in 0.1mm increments
- Simple operation by intuitive multilingual user panel and the possibility to store 10 user defined parameter settings
- Three modes of operation: semi-manual, single and continuous
- Adjustable cutting window
- 8° X/Y-orientation of the buffer tray
- Cooling of buffer solution and specimen is guaranteed by special cooling elements
- Removable buffer tray

Includes

Basic instrument (without large field magnifier and cold light source), cooling element with buffer solution, buffer tray, specimen stages, tool shelf, dust cover and operator guide.

Physical Specifications

Accommodates Specimens up to 45 x 45mm

Fine and trim section thickness via stepping motor from 0 to 1500µm

Amplitude adjusted from 0 to 1.2mm in 0.1mm increments

Frequency of vibration adjusted from 30 to 100Hz

Motorised cutting movement from 0 to 5mm/s

Dimensions (D x W x H): 52 x 38 x 28cm

Weight: 30kg

Description	Order Number
HM 650V	**920120**

Accessories	Order Number
Adapters	
For special (e.g. injector) disposable blades	**152510**
For sapphire and zirconium blades	**152520**
For commercially available razor blades	**152530**
PE buffer tray	**648200**
B specimen stage (2 - 10mm tissue)	**715800**
F specimen stage (10 - 45mm tissue)	**715810**
K specimen stage (10 - 45mm tissue)	**715820**
Cooling element for buffer solution	**648210**
CU 65 cooling device (220 V)	**770170L**
CU 65 cooling device (110 V)	**770180L**
Large field magnifier; 100 - 120V	**760170**
Zeiss Stemi 2000 stereomicroscope	**755050**
KL cool light source	**760307**
Swan-neck light guide	**760320**
Foot pedal	**640280**

Intelligent workflow optimisation

in slide staining

With a history stretching back for over a decade, the name Gemini has become synonymous with multi-protocol slide staining and efficiency.

For truly effortless management of your staining workload, the Gemini series has consistently delivered excellence.

With this illustrious legacy it would be unthinkable for the new Gemini AS to be anything other than a masterpiece.

With enhanced software, a reduced instrument footprint and a host of other upgrades, Gemini AS is a worthy successor to the Thermo Scientific staining crown.

The multi-tasking stainer

for greater throughput

Touchscreen user interface

Internal LED lighting

Process up to 12 baskets simultaneously

Read on to find out more ...

Thermo Scientific Gemini AS Automated Slide Stainer

Multi-dimensional automated slide stainer maximises efficiency by organising your staining workflow

The Thermo Scientific™ Gemini™ AS is the latest and most highly specified version in the Gemini series. Intuitive software makes it possible for the Gemini AS to perform different protocols simultaneously with multiple 20-slide baskets in process. Units have six water stations, 26 reagent stations and a total of four configurable doors for loading and unloading. Its two level design and integrated touch screen makes it one of the most space efficient automated staining solutions available.

Features

- New high clarity touch screen display with intuitive software control
- New LED lighting providing a clear view of the staining area
- Space efficient due to the two level design and integrated touch screen
- Easy access to all reagent stations - lower level staining stations are on a turntable
- Easy-to-use software allows staining runs to be started with the touch of a single button
- USB connectivity allowing protocols, reagent layouts and event logs to be saved
- Optional on board heaters for slide drying
- Compatible with the Thermo Scientific range of coverslippers

Performance

- Easy-to-use software schedules runs, allocates reagents, optimises reagent layout and calculates the most efficient route for each protocol to maximize throughput and minimise reagent carryover
- Open system uses Thermo Scientific stains and reagents
- Fully editable user-defined protocols
- Urgent Start gives user opportunity to prioritise “urgent” baskets without compromising those already in process
- Return option allows user to recall any loaded basket to load door
- Step-start capabilities from any position
- Quality Control system monitors reagent usage and batch throughput
- Handles fume control with an easy-to-change carbon filter or through connection to an optional external vent adapter kit
- PIN protection secures operator’s customised protocols
- Power supply has a voltage range from 110 - 240V (±10%) sufficient to handle power fluctuations including surges, spikes and brownouts
- Battery backup provides approximately 40 minutes of power in the event of a power failure
- Dishwasher safe reagent pots

Physical Specifications

Dimensions (D x W x H): 79 x 72 x 89cm;

Weight: 87kg;

Power Requirements: 300VA

Includes†

Unheated stainer; 35 stain pots supplied, fitted

Heated stainer; 30 stain pots and 5 heater pots supplied, fitted

Both models contain charcoal filter, staining basket and carrier (2 x 5/pk. ea.), three well water station (2 fitted), single pot covers (6/pk.), multi-pot covers (4/pk.), 2.5m water inlet hose, spare staining pots (3/pk.), operator guide, operator guide CD and service record book.

†Contents, packaging and quantities of inclusions are subject to change without notice.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Full-colour touchscreen user-interface

Ordering Information

Available with or without five independently heated positions for drying slides.

Description	Order Number
Gemini AS, With heater stations	**A81500001**
Gemini AS, Unheated	**A81500002**

Accessories	Order Number
Charcoal filter	**9990610**
Static water wash station	**A78010226**
Vent adapter kit	**A78010467**
1Gb USB stick	**AP17385**
Reagent pot; 3/pk	**A78010487**
Basket/Carrier; 5/pk	**A78010466**
Gemini baskets (ClearVue compatible) – Black slider	**A79210064**
Gemini baskets (ClearVue compatible) – White slider	**A79210065**
Pot insert (for manual coverslipping); 3/pk.	**A78010505**
Basket adapter for large slides; 10/pk. (5 pairs)	**A78010510**
Sakura basket carrier; 5/pk.	**A78010404**

Handle up to 12 baskets simultaneously

Thermo Scientific™ Varistain™ 24-4 Slide Stainer

Automated slide stainer designed for single load, double load and continuous throughput

One piece, bench top unit features user-specified water stations to match your routines. Stations hold 750ml troughs which may be filled to 355ml for 10 slide carriers. Used in cytology, haematology and histology laboratories.

Features

- Stains 64 slides per basket, potentially 1536 (64 x 24) slides/ run
- Stores and runs either three 24 step programs or six 12 step programs
- Permits you to program your station times in minutes and
- seconds precisely
- Pass feature allows you to run two programs while using the same reagents
- Compact design conserves bench top space
- Turntable rotates for convenient access to stations at rear of unit
- Gives consistent results run after run
- Compatible with most automatic coverslippers
- Thermo Scientific™ Varistain™ 24-4K models are configured for continuous operation

Physical Specifications

Dimensions (D x W x H): 74 x 74 x 51cm [65cm Raised]

Turntable diameter: 86cm

Weight: 60kg

Power Requirements: 50VA

Includes†

64 position vertical slide carrier (2/pk.), 750ml staining troughs (24/pk.), water wash troughs (4/pk.), 3m water inlet and outlet hose (fitted), operator guide (specify language), instruction sheet and service record book.

†Contents, packaging and quantities of inclusions are subject to change without prior notice.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Ordering Information

Agitation is available. Integrate the Varistain 24-4 with the Thermo Scientific™ CTM6 or Thermo Scientific™ ClearVue™ automatic coverslippers for even greater time savings and efficiency.

Description	Order Number
Varistain 24-4; 220 - 240V; 50Hz	**74200001**
Varistain 24-4K; 220 - 240V; 50Hz	**74200010**

Accessories	Order Number
Horizontal slide carrier (10 position)	**66610028**
Rack for Sakura Coverslipper	**74210121**
Service manual	**74210100**

Call for information on compatibility with other automatic coverslippers.

Thermo Scientific™ Linistat™ Linear Stainer

Compact linear stainer that is the answer to H&E frozen section protocols

Features

- Efficient footprint fits on top of most cryostats for streamlining workflow during frozen sectioning
- Features include 14 staining stations (20 sec. each), running water and a 13 slide capacity collection tank
- Staining time is under five minutes
- For situations that require hand staining, technician may dip through the stations, eliminating the need to set up separate staining dishes
- Colour-coded slide clips correspond to the coloured slides and coloured frozen section embedding media, Thermo Scientific™ Cryochrome™

Description	Order Number
Linistat; 110 - 120V; 60Hz	**B1000200**
Linistat; 220 - 240V; 50Hz	**B1000201**

Physical Specifications

Dimensions (D x W x H): 16 x 64 x 27cm

Clearance height: 25cm

Weight: 7.3kg

Power Requirements: 110 - 120V; 60Hz, Maximum 2.0A;

220 - 240VAC, 50/60Hz, Maximum 1.0A

Includes†

Single station staining dishes, double station staining dishes, slide clips and rinse water tubing kit.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Thermo Scientific CTM6 Coverslipper

Automated glass coverslipper for high-quality coverslipping with the smallest possible footprint

The Thermo Scientific CTM6 automated glass coverslipper uses glass coverslips of 24 x 40, 50, 55 and 60 mm, No. 1 thickness. The device can be easily re-configured for different slide sizes or mountant formulations. Its small footprint makes it the perfect tool for any lab that wants to overcome manual coverslipping and stay flexible.

- Coverslipping up to 400 slides per hour the CTM6 slide baskets are capable of holding 19 or 30 slides each
- Operator safety – loading and unloading of baskets without opening the hood
- Internal vapour extraction system with fan and permanent air-flow avoids any leakage of vapours at openings
- Integrated charcoal filtration
- Bubble-free mountant refill, 100ml reservoir
- Tool-free cleaning and maintenance
- Display options: German, English, French, Spanish
- Easy conversion to other coverslip sizes – all required parts included
- Adapters available for a variety of Thermo Scientific stainers as well as other manufacturers.

Physical Specifications

Dimensions (D x W x H): 41 x 27.5 x 35 cm

Weight: 19 kg

Power Requirements: 100 - 240V, 50/60Hz

Coverslip capacity: 400 pcs.

Mountant reservoir, capacity: 100 ml

Baskets: 19- or 30-slide racks

Description	Order Number
CTM6 coverslipper	970010

Accessories	Order Number
Slide Baskets – 19 Slides	172540
Slide Baskets – 30 Slides	172550
Charcoal Filter	184710
Bavimed Stainer Adapter	173000
Combi Tech Stainer Adapter	172610
Leica Autostainer XL, 2 x 30 Slides Adapter	172580
Leica ST4040 Stainer, 1 x 19 Slides Adapter	173120
Leica ST4040 Stainer, 2 x 30, Slides Adapter	173150
Manual Staining Adapter, for 19 Slide Baskets	173070
Manual Staining Adapter, for 30 Slide Baskets	172930
Medite TST 30, 40, 50 Stainer, 1 x 30 Slides Adapter	172780
Medite, COT 20 Stainer, 1 x 19 Slides Adapter	172760
MS/DS 50 Stainer, 1 x 30 Slides Adapter	172560
MS/DS 50 Stainer, 2 x 19 Slides Adapter	172750
Sakura DRS 2000 Stainer, 1 x 19 Slides Adapter	173140
Sakura DRS601 Stainer, 1 x 19 Slides Adapter	172940
Varistain 24-4 Stainer, 1 x 30 Slides Adapter	172590
Varistain 24-4 Stainer, 2 x 19 Slides Adapter	172920
Varistain XY/DRS-60 Stainer, 2 x 30 Slides Adapter	172600

For coverslips see page 113

Thermo Scientific ClearVue Coverslipper

Finally, a coverslipper intelligent enough to see past workflow obstacles

Simply place a basket of slides onto the load rail and close the door - the Thermo Scientific™ ClearVue™ coverslipper does the rest. Delivering speed and accuracy to complete the coverslipping workload for the busiest of laboratories, ClearVue accepts pre-loaded coverslip hoppers to deliver a clean, single coverslip consistently every time.

Compatibility

- Offers compatibility with a variety of stainers to accommodate just about any lab setting
- Accepts slides directly from the Thermo Scientific™ Gemini™ and Varistain™ 24-4, Sakura DRS™ 2000 and Leica Auto-Stainer™; slide baskets from any of these stainers can be loaded onto the ClearVue in a mix or match fashion without making adjustments to the coverslipper

Specimen Recognition

- Automatically recognises different types of slide preparations; delivers correct amount of mountant for coverslipping each
- Handles both histology and cytology samples simultaneously without user interaction while still delivering the right amount of mountant

Load-on-Demand

- Load-on-demand capabilities can manage up to 11 slide baskets at the same time
- Load baskets one at a time or up to five baskets together

Optical Recognition

- Features unique ability to optically recognise and position slides during the coverslipping process
- Recognises the position of each slide in a basket, removes each slide with a set of slide grippers and returns every slide back while maintaining slide positioning

User Interface

- Intuitive user interface features a touch screen panel
- Software monitors the type of slide preparation, size and number of slips dispensed and the number of baskets waiting to be coverslipped
- Disc drive offers ability to download technical information and perform software updates

Safety Features

- System will not operate when any door is open, protecting the user
- Downdraft ventilation protects the user when loading and unloading slide baskets
- Charcoal filter removes any vapours before they can escape the unit
- Removable debris and purge trays make clean up quick and easy
- Battery backup ensures completion of any basket in process during power cut
- Coverslip hoppers provide additional reliability and greater safety - no need to handle and stack large quantities of coverslip

Physical Specifications

Dimensions: (D x W x H): 57.5 x 64.5 x 50cm

Weight: 50kg

Power Requirements: 100 - 240V; 50/60Hz

Includes

Operator guide (English), operator guide CD (multi-lingual), case of two ClearVue coverslip hoppers; 24 x 50mm, no.1.5 (1000 slips), set of three ClearVue slide baskets (Gemini-compatible) with black sliders, set of two mountant purge trays, ventilation filter, set of two soft hair brushes, set of three suction cups.

Description	Order Number
ClearVue Coverslipper	A79200001

Accessories	Order Number
Shallow tray for loading baskets	A79230229
Drying stand for five baskets	A79230230
Filter	9990610
Extraction kit	A79210080
Soft hair brush	P12257
Suction cups (3/pk.)	A79210081
Charcoal filter (6/pk.)	7411258

Thermo Scientific ClearVue coverslip hoppers

Coverslip Hoppers	Qty.	Order Number
0.16 to 0.19 thick (No. 1.5)		
24mm x 40mm	2 x 500/pk.	A79210050
24mm x 50mm	2 x 500/pk.	A79210051
24mm x 55mm	2 x 500/pk.	A79210052

Recommended mountants	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	4211
ClearVue-XYL Mountant, Xylene-based, 2/pk.	4212

Assorted Thermo Scientific ClearVue baskets

ClearVue Baskets	Order Number
Baskets and hangers sold in sets of 5.	
Gemini compatible baskets (black sliders)	A79210064
Gemini compatible baskets (white sliders)	A79210065
Sakura DRS 2000 compatible baskets (black sliders)	A79210066
Sakura DRS 2000 compatible baskets (white sliders)	A79210067
Hangers for Sakura DRS 2000 compatible ClearVue baskets	A79210068
Varistain 24-4 compatible baskets (black sliders)	A79210069
Varistain 24-4 compatible baskets (white sliders)	A79210070
Leica compatible baskets (black sliders)	A79210072
Leica compatible baskets (white sliders)	A79210073

Thermo Scientific Metal Block and Slide Storage

Perfectly storing what needs to be stored

The high quality Thermo Scientific steel cabinets are ideal for the safe storage of microscope slides, slide filing wallets, processing cassettes, blocks and transparencies and are available in two sizes to cater for every conceivable requirement.

- The standard size for floor stacking is available in three colours, Blue, Green and two-tone Grey
- The MINI range, which is ideal for bench top use, is half the depth of the standard cabinet and is only available in two-tone Grey
- The Thermo Scientific™ Colourstack™ cabinets are ideal for colour-coding your sllides as they are available with ten different colour drawer fronts
- All cabinets are completely sealed top and bottom to ensure dust-free storage and have a lip running the full width of both front and rear to ensure secure location when stacking. Each drawer is fitted with stops to prevent their accidental removal, however the drawers can be removed and relocated
- Base stands (available in black only) and coloured top covers are available for the cabinets. The base stand comes in a standard type and a heavy duty wheeled base type. The standard base stand raises the cabinets off the ground so that the drawers can be easily opened and the wheeled base stand can be used to mobilise a stack of cabinets
- The number of cabinets that can be stacked is totally dependent on the contents / weight of each cabinet as well as the floor capacity

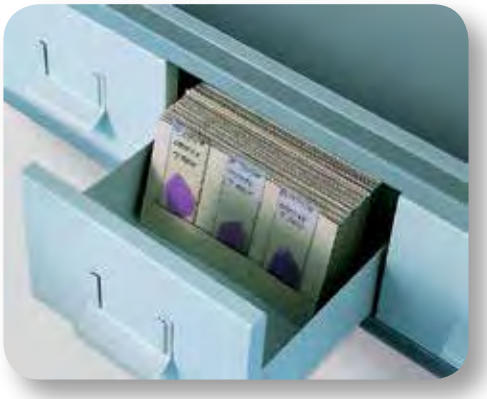
Blockstore Cabinet

The Blockstore cabinet accepts processing cassettes, embedding rings and unmounted blocks up to 12 x 25 x 30mm.

- Eight drawers each divided into seven rows 30mm wide
- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity	Dimensions	Order Number
3000 cassettes	48 x 48 x 27.5cm	**E43/22BLUE**
3000 cassettes	48 x 48 x 27.5cm	**E43/22GREEN**
3000 cassettes	48 x 48 x 27.5cm	**E43/22GREY**
1400 cassettes	48 x 24 x 27.5cm	**E43/22MINI**

Slide Wallet Filing Cabinet



This cabinet has three drawers for the storage of Slide Wallets (order number E48/5)

- Available in three colours, Blue, Green and two-tone Grey

Capacity	Dimensions	Order Number
1800 slides	48 x 48 x 14cm	**E43/10BLUE**
1800 slides	48 x 48 x 14cm	**E43/10GREEN**
1800 slides	48 x 48 x 14cm	**E43/10GREY**

14-Drawer Slide Filing Cabinet

The 14-Drawer Cabinet is designed for the storage of 76 x 26mm microscope slides.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Slides that are not dry can also be stored using a spring spacer to separate them (order number E43/16)

Capacity	Dimensions	Order Number
6000 slides	48 x 48 x 14cm	**E43/12BLUE**
6000 slides	48 x 48 x 14cm	**E43/12GREEN**
6000 slides	48 x 48 x 14cm	**E43/12GREY**
3000 slides	48 x 24 x 14cm	**E43/12MINI**

Horizontal Slide Filing Cabinets

The Horizontal Cabinet has drawers with polypropylene dividers which are grooved to hold standard 76 x 26mm slides horizontally.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity	Dimensions	Order Number
1230 slides	48 x 48 x 14cm	**E43/33BLUE**
1230 slides	48 x 48 x 14cm	**E43/33GREEN**
1230 slides	48 x 48 x 14cm	**E43/33GREY**
600 slides	48 x 24 x 14cm	**E43/33MINI**

7-Drawer Slide Filing Cabinet

The 7-Drawer Cabinet can be used for the storage of larger microscope slides (up to 51mm wide), SuperMega Cassettes or cardboard boxes containing wax blocks etc. It may also be used for the storage of photographic transparencies and most grid boxes used in electron microscopy.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Drawers can also take 76 x 26mm slides if a divider is used (order number E43/21)

Capacity	Dimensions	Order Number
3000 large slides	48 x 48 x 14cm	**E43/13BLUE**
3000 large slides	48 x 48 x 14cm	**E43/13GREEN**
3000 large slides	48 x 48 x 14cm	**E43/13GREY**
1500 large slides	48 x 24 x 14cm	**E43/13MINI**

Thermo Scientific Colourstack Filing Cabinets

The Thermo Scientific™ Colourstack™ cabinets are an innovative addition to the Thermo Scientific cabinet range. These cabinets have coloured plastic drawer fronts which make them ideal for the colour-coded storage of slides. They have the same dimensions as the traditional metal cabinets which means that they can be stacked with the other full sized cabinets in this section.

Colourstack Filing Cabinets

Colourstack cabinets have been designed to colour-code the storage of 76 x 26mm slides.

- Available in ten different drawer colours
- Cabinet and drawer bodies are supplied in a cream epoxy coated metal
- Top covers available in cream to match (order number E43/14C)
- Fit standard base stands (order number E43/15 and E43/15/HDWB)

Colour	Dimensions	Capacity	Order Number
	48 x 48 x 14cm	6000 slides	**E43/12C/AQUA**
	48 x 48 x 14cm	6000 slides	**E43/12C/BLUE**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREEN**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREY**
	48 x 48 x 14cm	6000 slides	**E43/12C/LILAC**
	48 x 48 x 14cm	6000 slides	**E43/12C/ORANGE**
	48 x 48 x 14cm	6000 slides	**E43/12C/PINK**
	48 x 48 x 14cm	6000 slides	**E43/12C/TAN**
	48 x 48 x 14cm	6000 slides	**E43/12C/WHITE**
	48 x 48 x 14cm	6000 slides	**E43/12C/YELLOW**

Colours are a representation only

Replacement Drawers and Archiving System

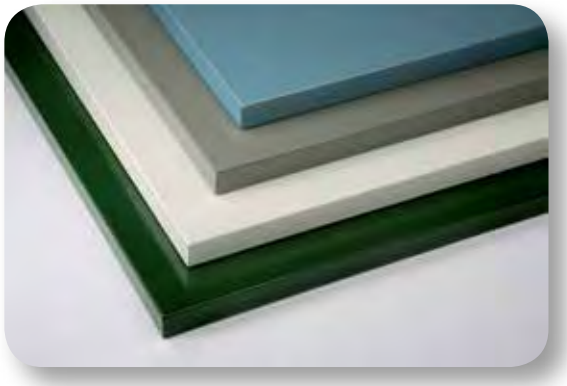
To save time and the need for unnecessary handling of slides, simply replace a full Colourstack drawer with an empty one. The replacement drawers are supplied in sets of 4 in a box designed to be re-used for the long term storage of full drawers.

- Each box contains a set of four replacement colour-coded drawers
- Available in the same ten colours as the Colourstack cabinets

Colour	Order Number
	E43/12CD/AQUA
	E43/12CD/BLUE
	E43/12CD/GREEN
	E43/12CD/GREY
	E43/12CD/LILAC
	E43/12CD/ORANGE
	E43/12CD/PINK
	E43/12CD/TAN
	E43/12CD/WHITE
	E43/12CD/YELLOW

Thermo Scientific Top Covers, Stands and Storage Boxes

Top Covers



Metal top covers for the Thermo Scientific Cabinets.

- Enables the cabinet to be used as a work surface
- Available in four colours, Blue, Green, Grey and Cream
- Available in two sizes, standard and MINI (grey only)

Dimensions	Order Number
48 x 48 x 2.5cm	**E43/14BLUE**
48 x 48 x 2.5cm	**E43/14GREEN**
48 x 48 x 2.5cm	**E43/14GREY**
48 x 48 x 2.5cm	**E43/14C (Cream)**
48 x 24 x 2.5cm	**E43/14MINI**

Standard and Heavy-Duty Wheel Base Stand

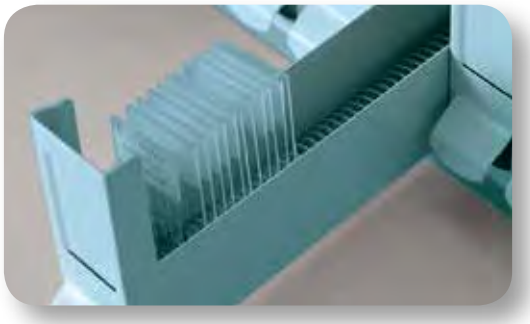
Black base stands for the Thermo Scientific Cabinets.

- Standard base available in standard or MINI size
- Wheeled base stand is reinforced with four heavy-duty swivel castor wheels

Base Stand	Cabinet Type	Dimensions	Order Number
Standard	Standard	48 x 48 x 11cm	**E43/15**
MINI	MINI	48 x 24 x 11cm	**E43/15MINI**
Heavy-duty Wheel Base Stand	Standard	48 x 48 x 20cm	**E43/15HDWB**

Accessories for Thermo Scientific Storage Cabinets

Spring Spacers



If slides are stored before they are completely dry, the spring spacer will separate them to stop them sticking.

For Cabinet	Qty.	Order Number
E43/12COLOUR and E43/12C/COLOUR	ea.	**E43/16**
E43/12MINI	ea.	**E43/16MINI**
E43/13COLOUR	ea.	**E43/17**

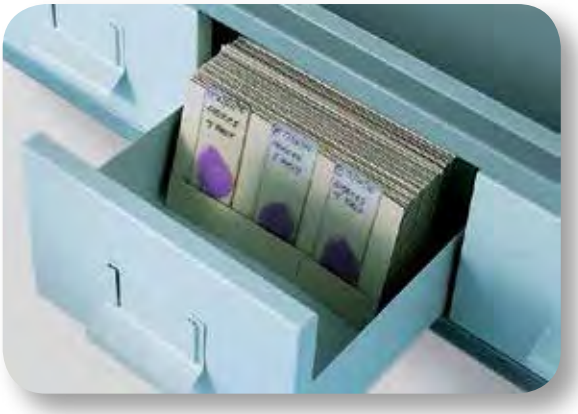
Slide Filing Location Slips

These colour strips are used to identify the location of a slide that has been removed from a cabinet.

- Available in three colours, White, Pink and Green

Colours	Qty.	Order Number
White	100/pk.	**E43/25**
Pink	100/pk.	**E43/26**
Green	100/pk.	**E43/27**

Slide Filing Wallets



Cardboard wallets to take 3 standard microscope slides (76 x 26mm) for use with the Slide Wallet Cabinet.

For Cabinets	Qty.	Order Number
E43/10COLOUR	100/pk.	**E48/5**

Steel Slide Box

A stainless steel box for the storage of 76 x 26mm slides.

- Internal dividers for up to 1000 slides
- Drop-on lid and card index holder

Dimensions	Qty.	Order Number
31 x 15 x 8cm	ea.	**E43/11**

Drawer Dividers

This divider can be used in the 7-Drawer Filing Cabinet so that 76 x 26mm slides can be stored as well as larger slides etc.

For Cabinet	Qty.	Order Number
E43/13COLOUR	ea.	**E43/21**

Cassette Storage Box

A stainless steel box for the storage of processing cassettes

- Racks to hold approximately 200 cassettes in four rows
- Drop-on lid

Dimensions	Qty.	Order Number
31 x 16 x 5cm	ea.	**E43/22/B**

Foam Dividers

This divider is used to hold 76 x 26mm slides upright in the slide drawer.

For Cabinets	Qty	Order Number
E43/12COLOUR, E43/12MINI and E43/12C/COLOUR	12/pk.	**B1000152**

Thermo Scientific Slide and Cassette Archiving and Storage

Plastic Slide Boxes

Extremely durable plastic slide boxes to store 76 x 26mm slides.

- Three sizes available - 25, 50 or 100 slide capacity
- Lids separate on the 25 and 50 slide capacity boxes
- 50 capacity slide box has a plastic catch
- 100 capacity slide box has a metal clasp
- Three colours available - White, Blue and Red
- Cork lined with index card in lid

Physical Specifications

25 Slide Box: 9.5 x 8.6 x 3.3cm

50 Slide Box: 21 x 8.6 x 3.3cm

100 Slide Box: 21 x 16 x 3.3cm

Description	Qty.	Order Number
25-Slide Box		
White	ea.	**B1780**
Red	ea.	**B1781**
Blue	ea.	**B1782**
50-Slide Box		
White	ea.	**B1783**
Red	ea.	**B1784**
Blue	ea.	**B1785**
100-Slide Box		
White	ea.	**B1786**
Red	ea.	**B1787**
Blue	ea.	**B1788**

Hinged Plastic Slide Box

A silicone coated, black polystyrene box for the storage of 76 x 26mm slides.

- 100 slide capacity or 200 back-to-back
- Index inside lid
- Plastic hinge and catch

Description	Qty.	Order Number
Hinged plastic slide box	ea.	**E40/5**

Plastic Slide Folders

Plastic slide folders available for the easy colour-coding of 76 x 26mm slides.

- 20 slide capacity
- Available in five colours
- Stackable with transparent cover

Description	Qty.	Order Number
Blue	10/cs.	**B1001200BL**
Green	10/cs.	**B1001200GR**
Grey	10/cs.	**B1001200GY**
White	10/cs.	**B1001200WH**
Yellow	10/cs.	**B1001200YW**

Postal Slide Boxes

A heavy-duty card box with cloth-covered edges to hold 76 x 26mm slides.

- Available in two sizes - 12 and 25
- Drop on lid and wooden rack

Description	Qty.	Order Number
Postal slide box		
12 slides	ea.	**E36**
25 slides	ea.	**E37**

Hinged Slide Box

A leatherette-covered card box to hold 76 x 26mm slides.

- Metal hinges and clasp
- Wooden rack and index in lid
- Capacity 100 slides

Description	Qty.	Order Number
Hinged slide box	ea.	**E32/6**

Slide Tray Box and 9-Slide Tray

A black, cloth-covered cardboard box to accept twelve E49 slide trays.

- Box has a fall-front and drop on lid
- Supplied complete with twelve E49 trays
- Trays hold nine 76 x 26mm slides

Physical specifications

Dimensions: (D x W x H): Box - 11.2 x 26.5 x 6.8cm; Tray - 23.5 x 7.8cm

Description	Qty.	Order Number
Slide tray box	ea.	**E32**
9-Slide Tray	ea.	**E49**

Plastic Slide Boxes

Moulded, high-impact polystyrene boxes to hold 76 x 26mm slides.

- Available in two sizes, 25 and 100
- Push-on lid with card index

Description	Qty.	Order Number
25 slides	ea.	**E38**
100 slides	ea.	**E39**

Slide Mailers

Plastic and cardboard mailers for 76 x 26mm slides.

- Plastic mailer with snap-top lid and grooves to hold five slides
- Cardboard mailer to hold two slides

Description	Qty.	Order Number
Plastic Slide Mailer (5 slides)	ea.	**E6/3**
Cardboard mailer (2 slides)	12/pk.	**3787**

Cardboard Slide Folders

Heavy-duty cardboard folders to hold 76 x 26mm slides.

- Available in three sizes - 20, 24 and 30

Description	Qty.	Order Number
20-slide folder	ea.	**E44**
24-slide folder	ea.	**E45**
30-slide folder	ea.	**1606**

Slide Tray Racks and Aluminium Slide Trays

Stainless steel slide tray racks to accept aluminium slide trays to hold 76 x 26mm slides.

- Racks allow the air to circulate over the slides
- Trays have raised ridges to separate the slides
- Two sizes available
- Both rack sizes hold up to 100 slides

Description	Capacity	Order Number
Slide tray rack	10 x E45/10	**E45/SR10**
Slide tray rack	5 x E45/10	**E45/SR5**
Slide tray (fits E45/SR10)	10 slides	**E45/10**
Slide tray (fits E45/SR5)	20 slides	**E45/20**

Thermo Scientific Cassettes

A range of high-quality cassettes available loose or in tubes

Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Cassettes only *Qty. 1000*	Colour	Cassettes only *Qty. 1500 (20 tubes x 75)*	Cassettes & Lids *Qty. 1000*	Cassettes & Lids *Qty. 3000 (40 tubes x 75)*
A84210040		A84210010	A84210070	A84210100
A84210041		A84210011	A84210071	A84210101
A84210042		A84210012	A84210072	A84210102
A84210043		A84210013	A84210073	A84210103
A84210044		A84210014	A84210074	A84210104
A84210045		A84210015	A84210075	A84210105
A84210046		A84210016	A84210076	A84210106
A84210047		A84210017	A84210077	A84210107
A84210048		A84210018	A84210078	A84210108
A84210049		A84210019	A84210079	A84210109

Lid Type	Qty.	Order Number
Stainless Steel	25/pk.	1001003
White Plastic Disposable	1000/pk.	E10/LID

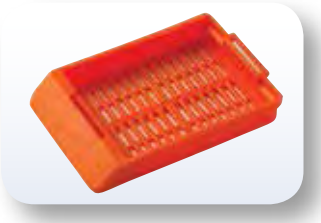
Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Cassettes only *Qty. 1000*	Colour	Cassettes only *Qty. 1500 (20 tubes x 75)*	Cassettes & Lids *Qty. 1000*	Cassettes & Lids *Qty. 3000 (40 tubes x 75)*
A84210050		A84210020	A84210080	A84210110
A84210051		A84210021	A84210081	A84210111
A84210052		A84210022	A84210082	A84210112
A84210053		A84210023	A84210083	A84210113
A84210054		A84210024	A84210084	A84210114
A84210055		A84210025	A84210085	A84210115
A84210056		A84210026	A84210086	A84210116
A84210057		A84210027	A84210087	A84210117
A84210058		A84210028	A84210088	A84210118
A84210059		A84210029	A84210089	A84210119

Lid Type	Qty.	Order Number
White Plastic Disposable - Biopsy	1000/pk.	E10/B/LID

Slotted Cassettes

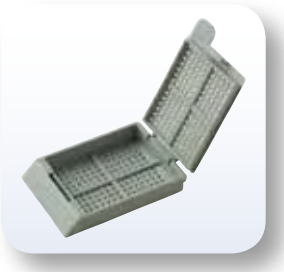


- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Cassettes only *Qty. 1000*	Colour	Cassettes only *Qty. 1500 (20 tubes x 75)*	Cassettes & Lids *Qty. 1000*	Cassettes & Lids *Qty. 3000 (40 tubes x 75)*
A84210060		A84210030	A84210090	A84210120
A84210061		A84210031	A84210091	A84210121
A84210062		A84210032	A84210092	A84210122
A84210063		A84210033	A84210093	A84210123
A84210064		A84210034	A84210094	A84210124
A84210065		A84210035	A84210095	A84210125
A84210066		A84210036	A84210096	A84210126
A84210067		A84210037	A84210097	A84210127
A84210068		A84210038	A84210098	A84210128
A84210069		A84210039	A84210099	A84210129

Lid Type	Qty.	Order Number
White Plastic Slotted Disposable - Slotted	1000/pk.	E10/S/LID

Thermo Scientific™ TissueLoc™ Biopsy Cassette (Cassette IV)



- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number *(1000 Cassettes)*	Colour	Order Number *(10 tubes x 75)*
58925		41760-T
58931		41751-T
58932		41753-T
58935		41757-T
58926		41758-T
58934		41759-T
58928		41754-T
58929		41755-T
58930		41750-T
58933		41752-T

Thermo Scientific TissueLoc Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number *(1000 Cassettes)*	Colour	Order Number *(10 tubes x 75)*
58962		41730-T
58955		41721-T
58957		41723-T
58961		41727-T
58964		41728-T
58960		41729-T
58958		41724-T
58959		41725-T
58954		41720-T
58956		41722-T

Thermo Scientific™ HistoScreen™ Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

Order Number *(1,000 Cassettes)*	Colour	Order Number *(10 tubes x 75)*
C-1000-AQ		C-750-AQ
C-1000-BL		C-750-BL
C-1000-GR		C-750-GR
C-1000-GY		C-750-GY
C-1000-LI		C-750-LI
C-1000-OR		C-750-OR
C-1000-PK		C-750-PK
C-1000-TN		C-750-TN
C-1000-WH		C-750-WH
C-1000-YW		C-750-YW

Thermo ScientificSlimsette Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number *(10 tubes x 75)*
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Thermo Scientific™ Slimsette™ Biopsy Cassette

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

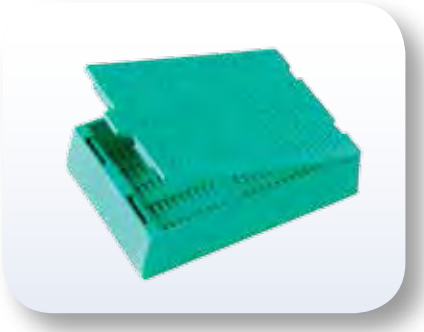
Colour	Order Number *(10 tubes x 75)*
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Thermo Scientific Slimsette "Micromesh" Cassette

- Pore style - small holes (0.36mm)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Order Number *(500 Cassettes)*	Colour	Order Number *(10 tubes x 75)*
B1000735AQ		B1000734AQ
B1000735BL		B1000734BL
B1000735GR		B1000734GR
B1000735GY		B1000734GY
B1000735LI		B1000734LI
B1000735OR		B1000734OR
B1000735PE		B1000734PE
B1000735PK		B1000734PK
B1000735TN		B1000734TN
B1000735WH		B1000734WH
B1000735YW		B1000734YW

SuperMega Cassettes



- Ideal for embedding and processing large tissue samples
- Particularly useful for prostate, brain, breast tissue and eyes
- Widely used in research and toxicology laboratories
- Available in several colours
- Supplied in packs of 100

Colour	Order Number
	E10SM/BLUE
	E10SM/GREEN
	E10SM/PINK
	E10SM/WHITE
	E10SM/YELLOW

Thermo Scientific Microscope Slides

Thermo Scientific™ Colorfrost™ Slides*

- Available in a wide variety of colours to ease identification
- Resistant to commonly used laboratory solvents
- 76 x 26mm, 1.0 to 1.2mm thick; ground edges

Description	Qty.	Order Number
White	1000/cs.	**6776206**
Blue	1000/cs.	**6776207**
Green	1000/cs.	**6776210**
Pink	1000/cs.	**6776213**
Yellow	1000/cs.	**6776208**
Burnt orange	1000/cs.	**6776209**
Lavender	1000/cs.	**6776205**
Tan	1000/cs.	**6776201**
Aqua	1000/cs.	**6776202**
Gold	1000/cs.	**6776203**
Strawberry red	1000/cs.	**6776204**

Thermo Scientific™ Colorfrost™ Plus Slides*

- Positively charged microscope slides improve cellular adhesion
- Electrostatically attract tissue sections and cytology preparations, binding them to the slide
- Eliminate the need for special adhesives or protein coatings

Description	Qty.	Order Number
White	144/pk.	**6776214**
White	1440/cs.	**6776214CS**
Blue	100/box	**9991001**
Yellow	100/box	**9991002**
Green	100/box	**9991003**
Pink	100/box	**9991004**
Lavender	100/box	**9991009**
Burnt orange	100/box	**9991011**
Tan	100/box	**9991012**
Aqua	100/box	**9991013**
Gold	100/box	**9991014**

Thermo Scientific™ Polysine™ Slides*

- Provide superior cell and tissue adhesion
- Polysine places an advanced permanent adhesive on the microscope slide
- Built-in chemicals electro-statically and chemically attract

Description	Qty.	Order Number
White	144/pk.	**6776215**
Blue	144/pk.	**6776216**
White	1440/pk.	**6776215CS**
Blue	1440/pk	**6776216CS**

Thermo Scientific Frosted Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm
- Available with either single or double frosted ends

Edge	Thickness	Qty.	Order Number
Double frost			
Cut edge	1.0 - 1.2mm	1000/cs.	**6776112**
*Ground edge, 45°	0.8 - 1.0mm	1000/cs.	**6776104**
Ground edge, 90°	0.8 - 1.0mm	1000/cs.	**6776108**
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776109**
Single frost			
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776107**

** Indicates that slides are compatible with Thermo Scientific SlideMate*

Plain Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm

Edge	Thickness	Qty.	Order Number
Cut edge	0.8-1.0mm	1000/cs.	**6776106**
Ground edge, 90°	0.8-1.0mm	1000/cs.	**6776110**
Ground edge, 90°	1.0-1.2mm	1000/cs.	**6776111**

Multi-Spot Slides

- Wells are surrounded by a chemical and water-resistant PTFE coating
- Coating enables the slides to be washed several times for re-use

Description	Qty.	Order Number
6mm wells	100/box	**9991090**
9mm wells	100/box	**9991095**

Slide Preparation Excell Microscope Adhesion Slides

- Excell slides have a hydrophilic surface for superior wettability.
- Recommended tor automated staining procedures that require high pH antigen retrieval solutions
- 5 colours for easy identification
- Eliminate sticking and reduce waste

Description	Qty.	Case Size	Order Number
White	144/pk.	10 pks/cs	**4941**
Blue	144/pk.	10 pks/cs	**5941**
Green	144/pk.	10 pks/cs	**6941**
Pink	144/pk.	10 pks/cs	**7941**
Yellow	144/pk.	10 pks/cs	**8941**

Non-Standard Slides

Description	Qty	Order Number
Double frosted ends; 20mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761142**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761143**
Plain		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761144**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761145**
Double frosted ends; 5mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761146**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761147**
Superfrost Plus Adhesion, white frosted ends		
Ground edge 90°, 38 x 75 x 1.0mm	72/pk.	**A67761223**
Ground edge 90°, 51 x 75 x 1.0mm	72/pk.	**A67761224**
Superfrost, white		
Ground edge 45°, 26 x 76mm		**A67761225**
Slide Superfrost White K 1000		
Ground edge 90°	1000/pk.	**A67761226**
Superfrost Ultra Plus		
Ground edge 90 degree, 25 x 75 x 1.0 mm	72/pk.	**A6776220**

Thermo Scientific Fixation Products

Neutral Buffered Formalin (10%)

NBF is a fixative that reduces exposure to toxic fumes. It is available premixed or as a concentrate which reduces storage space and contact with formaldehyde.

One part of concentrate to four parts of distilled or deionized water ensures results consistent with those of the premixed 10% NBF.

- Phosphate buffers are used to stabilize the pH between 6.8 and 7.2
- Stringent quality control ensures a formalin concentration of 10%
- Stable to freezing temperatures

Description	Size	Qty.	Order Number
Concentrated			
Bottle	3.8L	4/cs.	**5700**
Premixed			
Bottle	3.8L	4/cs.	**5701**
Cubitainer	18.9L	ea.	**5705**
Cubitainer	9.5L	ea.	**5725**

Zinc Formalin, Buffered

For use in immunohistochemistry techniques to enhance nuclear detail.

- Easy-to-pour bottle helps reduce spills

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**5701ZF**
Cubitainer	18.9L	ea.	**5705ZF**

Thermo Scientific™ Cal-Rite™

A mixture of formic acid and formaldehyde allows simultaneous decalcification and fixation.

- Eliminates poor Haematoxylin and eosin staining caused by over-decalcification and/or exposure to harsh mineral acids
- Conventional iron staining also benefits from the properties of this product
- Even after prolonged exposure of specimens in Cal-Rite, nuclear chromatin staining is well preserved and not distorted

Description	Size	Qty.	Order Number
Bottle	3.8L	ea.	**5501**

Thermo Scientific™ Signature Series™ Pen-Fix™

A uniquely buffered alcoholic formalin fixative.

- Excellent frozen section fixative
- Performs well with fatty or thick tissue sections
- Fixation and dehydration occur simultaneously and the penetration rate is three times faster than that of 10% Neutral Buffered Formalin
- Can be used in all open or enclosed tissue processors and in the grossing room
- Recommended for use in the second and/or third stations of the processor as a secondary fixative

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**6101**

Bouin's Fluid

A saturated, aqueous picric acid solution.

- Excellent for use in Trichrome staining procedures
- Use to preserve structures with soft and delicate textures and for gastrointestinal tract specimens

Description	Size	Qty.	Order Number
Bottle	3.8L	ea.	**57211**

Thermo Scientific™ Vytac™

Simple, safe and economical disposal system for 10% buffered or unbuffered formalin, including zinc formalin.

- Eliminates the need for expensive waste hauling and onsite permits
- Solution breaks down formalin into inert components and, when used as directed, neutralizes more than 99% of the waste formalin collected
- One part Vytac solution neutralise four parts formalin waste

Starter Kit includes:

Vytac (3.8L), reservoir with lid, measuring cup, and plastic stir rod

Description	Size	Qty.	Order Number
Vytac	3.8L	4/cs.	**5401**
Vytac	18.9L	ea.	**5405**

Thermo Scientific™ HistoGel™

Encapsulates and retains the entire specimen during histological processing regardless of a specimen's small, friable, or viscous nature.

- Chemical reagents penetrate specimen without allowing specimen to escape from gel
- Patented formulation outperforms other agarose gel mixtures or thromboplastin at a fraction of the cost
- Does not retain histological stains
- Eliminates unwanted discolouration around specimens on slides
- Virtually unnoticeable during sectioning
- Will not "pop out" of the paraffin block during cutting

Starter Kit includes:

Twelve 10ml HistoGel vials, two Thermo Scientific WonderBlock cooling blocks, dry bath incubator (240V), and disposable pipettes (500)

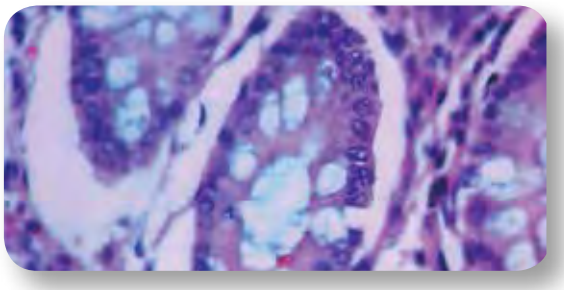
Description	Size	Qty.	Order Number
HistoGel vial	10ml	12/cs.	**HG-4000-012**
HistoGel vial	10ml	144/cs.	**HG-4000-144**

Thermo Scientific™ Rapid-Fixx™ Formalin

Excellent for antigenic preservation, Rapid-Fixx avoids the need for enzyme digestion and rapidly penetrates into tissue. Used in Thermo Scientific Rapid-Chrome Frozen Section Stain Kit (9990001) for fixing slides from frozen sections.

Description	Qty.	Order Number
1L	2/cs.	**6764212**

Thermo Scientific™ Formal-Fixx™

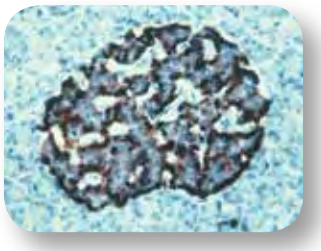


Produces consistent results and extends the life of the rotary valve in tissue processors.

- Phosphate-free, 10% neutral buffered formalin
- Stores all specimens without excessive shrinking or hardening
- Use for storage of all tissue - eliminates presorting of EM specimens
- Available premixed, ready-to-use or in economical concentrate - just add water or alcohol
- Concentrate is not affected by freezing, reduces shelf space and is less expensive to ship
- Pre-filled, leak-resistant containers are packed in sturdy trays for courier transport.

Size	Qty.	Order Number
Ready-to-use		
19L cubitainer with tap	ea.	**6764240**
10L cubitainer with tap	2/cs.	**9990234**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990910**
60ml containers, filled to 30ml	125/cs.	**9990914**
90ml containers, filled to 45ml	125/cs.	**9990916**
120ml containers, filled to 60ml	125/cs.	**9990918**
Concentrate		
3.8L (makes 19L)	ea.	**6764254**
1L (makes 5L)	2/cs.	**9990244**

Thermo Scientific™ Glyo-Fixx™



A non-carcinogenic, non-sensitising and environmentally friendly substitute for formalin. The active ingredient, glyoxal, is a di-aldehyde, which has almost no vapour and is used with the same protocols as formalin.

Glyo-Fixx allows higher antibody dilutions and works well with conventional special stains including silver procedures, Schmorl's for reducing substances, PAS, Alcian blue, Mucicarmine, Verheoff-Van Gieson for elastin and Trichrome.

- Offers results superior to neutral buffered formalin - produces distinct, crisp cellular morphology
- No unpleasant smell or cross-linking as with formaldehyde - fixes most antigens without impairing immuno-reactivity
- Allows special stain dyes to be sharp without background staining
- Presents fine detail in specimen structure

Description	Qty.	Order Number
Ready-to-use		
3.8L	ea.	**6764262**
19L cubitainer with tap	ea.	**6764260**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990920**
60ml containers, filled to 30ml	125/cs.	**9990924**
120ml containers, filled to 60ml	125/cs.	**9990928**
Concentrate		
3.8L (makes 19L)	ea.	**6764265**

Thermo Scientific Zinc Formal-Fixx

This is a fixative of choice to enhance H&E's and special stains.

- Excellent for immunochemistry
- Minimises the need for enzyme digestion
- Reduces protein cross-linking, producing well-defined nuclear detail

Description	Qty.	Order Number
Ready-to-use		
19L	ea.	**6764250**
Concentrate (5x)		
1L (makes 5L)	2/cs.	**9990245**
3.8L (makes 19L)	ea.	**6764255**

Thermo Scientific Dehydrants

Thermo Scientific™ Signature Series™ Flex™ 100, 95, 80

This range provides complete dehydration and brilliant cytoplasmic staining.

- Patented formulation of methyl and isopropyl alcohol
- Minimises over-dehydration in smaller biopsies
- Excellent for lipid extraction, allowing for increased paraffin infiltration
- May be used as a solvent for special stains

Description	Size	Qty.	Order Number
Flex 100	3.8L	4/cs.	**8101**
Flex 95	3.8L	4/cs.	**8201**
Flex 80	3.8L	4/cs.	**8301R**

Dehydrant 100, 95, 80, 70

Denatured ethyl alcohol reagents specifically designed for processing and staining of histological and cytological specimens.

- Blend of ethyl, methyl and isopropyl alcohols
- Can be used as a dye or stain solvent
- Miscible with all clearing agents

Description	Size	Qty.	Order Number
100%	3.8L	4/cs.	**6201**
95%	3.8L	4/cs.	**6301**
80%	3.8L	4/cs.	**6401**
70%	3.8L	4/cs.	**6501**

Thermo Scientific Clearing Agents

Thermo Scientific™ Signature Series™ Clear-Rite™ 3

A unique blend of isoparaffinic aliphatic hydrocarbons for tissue processing and staining.

- Excellent lipid extraction during tissue processing
- Renders complete deparaffinisation and clearing during the staining process
- Does not produce hard or brittle specimens, even after prolonged exposure
- Use in all tissue processors and automatic stainers
- Benzene-free
- Very low odour

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**6901**

Citrus Clearing Solvent

A clearing solvent that is a highly effective xylene substitute.

- Use as a direct replacement for xylene in both manual or automated system applications
- D-limonene-based solvent has a slight citrus scent
- Higher flash point eliminates the need for storage in a flammable safety cabinet

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**8301**

Thermo Scientific™ Histoclear™ and Histoclear II

Superior non-toxic clearing agents which lead to the production of high quality tissue slides.

- Biodegradable

Description	Size	Qty.	Order Number
Histoclear	3.8L	ea.	**C78-G**
Histoclear II (reduced citrus odour)	3.8L	ea.	**C78/2-G**

Thermo Scientific Processing Reagents

Made to bring out the best in your Thermo Scientific equipment

Xylene

A clearing agent for processing, staining, and coverslipping.

Description	Qty.	Order Number
4L	ea.	**9990501**

Xylene Substitute

A safer, more convenient alternative to xylene for processing, staining and coverslipping.

- Airborne exposure limit three times safer than xylene (TLV 300ppm)
- Virtually odourless aliphatic hydrocarbon - no citrus aroma
- Not sensitising to normal skin
- Evaporation rate similar to xylene - slides dry quickly
- Greaseless
- Can be recycled with solvent recyclers

Description	Qty.	Order Number
4L	ea.	**9990505**
4L	4/cs.	**6764506**

Reagent Alcohol

Use in place of absolute (100%) ethanol for most pathology procedures, including staining sequences.

- Filtered quality reagent consists of 90% absolute ethanol, 5% methanol, 5% isopropanol

Description	Qty.	Order Number
3.8L	ea.	**9990520**

Decalcifying Solution

Formulated to remove calcium from histological specimens.

- EDTA and dilute hydrochloric acid in this solution require no heat, electricity, or other aids to decalcify bone tissue
- Offers rapid decalcification without destroying nuclear properties of the tissue

Description	Size	Qty.	Order Number
Bottle	0.94L	6/cs.	**8340**
Cube	3.8L	4/cs.	**8340-1**

Thermo Scientific™ TBD-1™ Decalcifier

A rapid hydrochloric decalcifier for processing bone marrow biopsies in as little as 15 to 30 minutes.

- Thin pieces of bone process in 3 to 12 hours
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty.	Order Number
1L	2/cs.	**6764001**
1L	4/cs.	**6764002**

Thermo Scientific™ TBD-2™ Decalcifier

A formic acid decalcifier for gentler, longer-term processing.

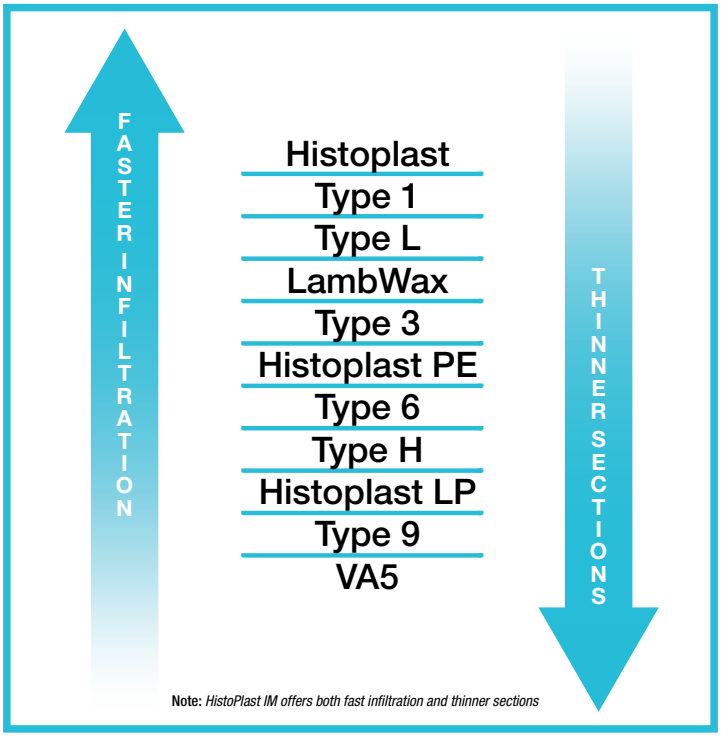
- Go up to 48 hours past end point without damaging specimens
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty	Order Number
1L	2/cs.	**6764003**
1L	4/cs.	**6764004**

Thermo Scientific Paraffin

Paraffin Selection Matrix

Description	Additives	Melting Point	Type	Use
Paraffin Type 9	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type H	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
VA5	Plastic Polymers	58 - 60°C	Pellet	Embedding only
Histoplast LP	Plastic Polymers	50 - 54°C	Pellet	Infiltration/Embedding
Histoplast IM	Plastic Polymers & DMSO	56 - 57°C	Pellet	Infiltration/Embedding
Histoplast PE	Plastic Polymers	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 6	Microcrystalline Wax	55 - 57°C	Flake	Infiltration/Embedding
Paraffin Type 3	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type L	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
LambWax	Plastic Polymers	57 - 58°C	Pellet	Infiltration/Embedding
Histoplast	None	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 1	None	55 - 57°C	Flake	Infiltration only



Thermo Scientific™ Shandon™ Histoplast™

High quality paraffin without polymers, for embedding and general laboratory use.

Description	Size	Qty.	Order Number
Histoplast	2.5kg	ea.	**6774006**
Histoplast	10kg	ea.	**6774060**

Thermo Scientific Signature Series Paraffin

Unique blend of polymers and highly refined paraffin with narrow carbon chain distribution that minimises compression and offers rapid infiltration.

- Type H allows for extremely thin sections, while Type L may reduce infiltration times during processing
- Packaged in easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type H, high polymer	0.9kg	10/cs.	**8338**
Type L, low polymer	0.9kg	10/cs.	**8339**

Thermo Scientific Histoplast PE, IM, LP

Developed to meet the demanding and versatile needs of the laboratory.

- Delivers excellent processing and yields thin, flat, wrinkle-free sections
- Packaged in easy-to-open, resealable bags
- Histoplast LP has a lower melting point to protect sensitive tissues

Description	Size	Qty.	Order Number
Histoplast PE	1kg	8/cs.	**8330**
Histoplast IM	1kg	8/cs.	**8331**
Histoplast LP	1kg	8/cs.	**8332**

Thermo Scientific™ LambWax™

The Raymond A Lamb formulation LambWax is a high quality paraffin wax with added polymers.

Description	Size	Qty.	Order Number
LambWax	10kg	ea.	**W1**

Paraffin Type 1, 3, 6, 9

Four different blends of highly refined paraffin and polymers offer a choice of infiltration times and cutting characteristics to meet various needs.

- All paraffins are triple filtered to 0.5µm
- Flake form has a greater surface-to-weight ratio than pellets, resulting in a faster melting time
- Type 1 contains no polymer and offers rapid infiltration
- Type 3 contains minimal polymer and offers fast infiltration
- Type 6 contains no polymers, instead it is blended with microcrystalline wax to allow for thinner sections
- Type 9 has the highest polymer content available and yields extremely thin sections
- Packaged in convenient, easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type 1	0.9kg	10/cs.	**8334**
Type 3	0.9kg	10/cs.	**8335**
Type 6	0.9kg	10/cs.	**8336**
Type 9	0.9kg	10/cs.	**8337**

VA5

The Raymond A Lamb formulation VA5 provides a hard white wax of amorphous plastic structure.

Applications

- Particularly hard or fibrous routine tissue may be cut more easily if, after processing in LambWax in the usual manner, the tissue is then vacuum embedded and blocked out in VA5
- Freeze-dried tissues (where enzyme histochemistry is not required) and particularly tissues that have been vapour fixed after freeze-drying
- Bone sectioning either undecalcified (Sellotape or Tripp and Mackay techniques) or decalcified (e.g. trephine biopsies)

Description	Size	Qty.	Order Number
VA5	10kg	ea.	**W11/4**

Thermo Scientific Moulds and Sprays

Disposable Base Moulds

Made of rigid, transparent plastic, these moulds promote rapid paraffin hardening.

Description	Size	Qty.	Order Number
7 x 7mm moulds	125/box	4/cs.	**41740**
15 x 15mm moulds	125/box	4/cs.	**41741**
24 x 24mm moulds	125/box	4/cs.	**41742**
30 x 24mm moulds	125/box	4/cs.	**41743**
37 x 24mm moulds	125/box	4/cs.	**41744**

Stainless Steel Base Moulds

- High-quality, durable moulds
- Sizes fit most cassettes
- Superior thermal exchange
- Rounded corners

Description	Qty.	Order Number
10 x 10 x 5mm	10/pk.	**6401015**
24 x 24 x 5mm	10/pk.	**6401016**
30 x 24 x 9mm	10/pk.	**6401017**
37 x 24 x 9mm	10/pk.	**6401018**

Super Mega Stainless Steel Base Moulds

Description	Qty.	Order number
36 x 36 x 10mm	5/pk.	**E10/M7**
60 x 45 x 15mm	5/pk.	**E10/M8**

Thermo Scientific™ Para-Release™ Spray

Apply this spray releasing agent to moulds before adding paraffin for clean release of block.

Description	Qty.	Order Number
50ml	6/cs.	**9990420**

Thermo Scientific™ ParaPel™

ParaPel protects against excess build-up of wax on countertops and instrumentation.

- Reduces daily cleaning times
- Low odour
- Will not remove finishes from surfaces or leave behind oily residue

Description	Qty.	Order Number
118ml	6/cs.	**2300**

Thermo Scientific™ Peel-A-Way™ Disposable Embedding Moulds

Made of rigid, transparent plastic, these moulds promote rapid paraffin hardening.

Description	Qty.	Order Number
12 x 12 x 20mm	288/cs.	**1220**
22 x 22 x 20mm	288/cs.	**2219**
30 x 22 x 20mm	288/cs.	**1830**
40 x 22 x 20mm	264/cs.	**1841**

Thermo Scientific Biopsy Bags

These high quality biopsy bags allow unrestricted fluid movement around tissue.

- Three types of biopsy bag available - original white nylon, white acid resistant and blue nylon bag
- The blue bag offers improved visibility of specimens and superior fluid exchange
- Reduce risk of small specimen loss
- Reduce reagent carry-over and pressure artefact often found with sponges
- Peel-open bag conveniently exposes specimen for rapid removal
- Acid resistant biopsy bags feature all the benefits of nylon biopsy bags, plus offer acid-resistance for decalcification

Physical Specifications

Small: 31 x 43mm

Medium: 45 x 65mm

Large: 75 x 85mm

Description	Qty.	Order Number
Blue nylon biopsy bag, monofilament, hydrophillic coated		
Medium	1000/cs.	**6774009**
Small	1000/cs.	**6774010**
Large	500/cs.	**6774011**
Medium	200/cs.	**6774012**
Medium	500/cs.	**6774013**
Small	200/cs.	**6774014**
Small	500/cs.	**6774015**
White nylon biopsy bag, woven		
Medium	1000/cs.	**6774009W**
Small	1000/cs.	**6774010W**
Large	500/cs.	**6774011W**
Medium	200/cs.	**6774012W**
Medium	500/cs.	**6774013W**
Small	200/cs.	**6774014W**
Small	500/cs.	**6774015W**
White acid resistant bag, woven		
Medium	250/cs.	**6774050**
Small	250/cs.	**6774051**
Large	250/cs.	**6774052**
Medium	1000/cs.	**6774053**
Small	1000/cs.	**6774054**

Cellsafe+™

Cellsafe+ offers a high security easy-to-use alternative to traditional, more time consuming handling techniques such as wrapping tissue in paper. It consists of two hinged interlocking frames with an extra fine 200µm mesh.

- Fits in any standard processing cassette for processing in the normal way
- Tissue can be removed with greater ease
- Hinge can be closed in either direction to encapsulate the tissue
- Available in white and blue - blue can offer better contrast

Description	Qty.	Order Number
White	100/pk.	**E10/87**
Blue	100/pk.	**E10/87/B**

Cellsafe+ is a registered trademark of Cellpath Plc.

Cassette Insert Paper

This high quality Whatman cellulose paper is supplied cut to the size of a standard processing cassette chamber.

- Biopsy material is placed between two sheets in the cassette and can be processed in the normal way

Size	Qty.	Order Number
26 x 31mm	1000/pk.	**E10/7**

Sponges

These foam sponges help to protect small biopsies from overprocessing.

- Blue sponges available as rectangles or circles

Description	Qty.	Order Number
Rectangular; 25 x 31mm	1000/pk.	**E10/75/BLUE**
Circular; 31mm dia.	100/pk.	**8453**

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades				High Profile Blades	
Description	**MX35 Ultra**	**MX35 Premier +**	**MX35 Premier**	**MB22 Premier**	**HP35 Ultra**	**HP35**
Order Number	3053835	3052835	3051835	3050822	3153735	3150734
Edge Angle	34°	34°	34°	22°	34°	34°
Soft Tissue	✓✓	✓	✓	✓	✓✓	✓
Hard Tissue	✓✓	✓✓			✓✓	
Cryostat	✓✓	✓	✓	✓✓	✓✓	
Thin Sectioning	✓✓	✓	✓	✓✓	✓✓	✓✓
Biopsies & Recuts	✓✓	✓	✓✓		✓✓	

Disposable Blade Matrix Key: ✓ - Good; ✓✓ - Best

Low Profile Blades

Thermo Scientific™ MX35 Ultra™

These blades use a proprietary steel hardening technology (Pink Technology)that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
MX35 Ultra	3053835

Thermo Scientific™ MX35 Premier +™

These blades are the best for routine histology as they are designed extra sharp with an extended cutting life.

- Blade angle is 34°

Description	Order Number
MX35 Premier +	3052835

Thermo Scientific™ MX35 Premier™

A routine histology blade good for a variety of tissue types.

- Blade angle is 34°

Description	Order Number
MX35 Premier	3051835

Thermo Scientific™ MB22 Premier™

The MB22's steeper angle allows users to accurately cut thinner sections faster.

- Blade angle is 22°

Description	Order Number
MB22 Premier	3050822

High Profile Blades

Thermo Scientific™ HP35 Ultra™

Revolutionary high-profile blade that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
HP35 Ultra	3153735

Thermo Scientific™ HP35™

Coated blade allows for reliable and thin sectioning.

- Blade angle is 34°

Description	Order Number
HP35	3150734

Thermo Scientific Dissection Scalpels and Blades

- Properly hardened, tempered and passivated
- Electronically polished and cleaned for a high quality finish
- Patterns, dimensions and finish held to exacting standards, producing the finest instruments available
- Guaranteed to be free from defects in material and workmanship

Heavy-Duty Scalpel

- Standard belly blade

Blade	Size	Qty.	Order Number
50 x 13mm	18.0cm	ea.	745

Stainless Steel Scalpel Blade Handle

- Stainless steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	21.6cm	ea.	5334

Nickel-Plated Scalpel Blade Handle

- Rustless, nickel-plated steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	15.9cm	ea.	53410

Blade Removal Instrument

Description	Qty.	Order Number
Stainless steel	ea.	535

Plated Scalpel Blade Handle

- Plated, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	14.0cm	ea.	5324

Plastic Scalpel Blade Handle

- Red plastic, No.6
- Autoclavable

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	13.3cm	ea.	3120027

Sterile Scalpel Blade, No. 11

Size	Qty.	Order Number
40mm	100/pk.	3120030

Sterile Scalpel Blade, No. 21

Size	Qty.	Order Number
51mm	100/pk.	53221

Disposable Autopsy Knives

These knives are available in 5 sizes to allow the user to select the optimum size of knife for the application.

- High-quality, Sheffield stainless steel, double-honed blades
- 120mm long, moulded handle with finger guard for safety
- Box doubles as a tissue cassette archive with a capacity of approx. 250 standard blocks

Description	Use	Qty.	Order Number
100mm blade	Cartilage	10/pk.	**E18/37/4**
150mm blade	Trimming	10/pk.	**E18/37/6**
200mm blade	Macro	10/pk.	**E18/37/8**
250mm blade	Lung	10/pk.	**E18/37/10**
300mm blade	Brain	10/pk.	**E18/37/12**

Fine Cutting Tool

These tools are designed to assist with consistency in grossing - the user can choose whether to gross their specimens at 3, 4 or 5mm thickness.

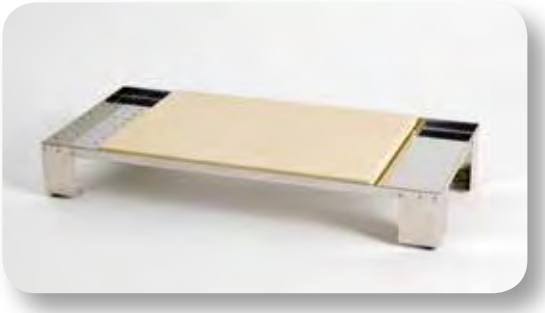
- Easy to clean, chemical resistant, and autoclavable

Includes

Allen wrench and sample pack of Thermo Scientific™ Edge-Rite™ disposable blades.

Description	Qty.	Order Number
Fine Cutting Tool Kit, 3mm	ea.	**9813**
Fine Cutting Tool Kit, 4mm	ea.	**9814**
Fine Cutting Tool Kit, 5mm	ea.	**9815**
Edge-Rite disposable blades	50/pk.	**4275H**

Post Mortem Board Table



- A low-level stainless steel post mortem table which includes the E7/7 board
- The board sits at a slight incline to aid drainage away from the user
- Rubber feet to prevent movement
- Removable perforated tray for drainage
- Tool storage area

Description	Qty.	Order Number
Post Mortem Board Table	ea.	**E7/7T**

Post Mortem Board

- A solid block of rubber/clay compound
- Impervious to fluids making them very hygenic to use
- Density and hardness optimises the life of both the board and knives
- Textured surface to prevent specimens from slipping
- Buff colour provides excellent contrast, particularly for biopsy material

Description	Qty.	Order Number
Post Mortem Board	ea.	**E7/7**

Cork Boards

- Resin bonded cork dissecting boards

Description	Qty.	Order Number
305 x 305 x 20 mm	ea.	**E7/3**
450 x 305 x 20 mm	ea.	**E7/4**
450 x 450 x 20 mm	ea.	**E7/5**

Cork Sheets

- Resin bonded cork sheets for specimen preparation

Description	Qty.	Order Number
305 x 305 x 1.6 mm	6/pk.	**E7/28**

Cork Disks

- Cork disks for cryostat use

Description	Qty.	Order Number
20 mm diameter x 3mm thick	100/pk.	**E7/15/CD**

Disposable Dissecting Boards

- Designed to increase safety and hygene in high-risk areas as well as routine cutting areas
- Made from foam-filled board to help protect surfaces

Description	Qty.	Order Number
297 x 420 x 5mm	10/pk.	**E7/35**

Disposable Dissecting Pins

- Pin mounted in plastic head with indicator label

Description	Qty.	Order Number
12 mm	10/box	**E9/1**

Thermo Scientific Complete Staining Assemblies

Complete Staining Assembly 100

- Complete Assembly 100 includes rack/handle (No. 109), dish (No. 102) and cover (No. 101)
- Staining Rack 109 is made from stainless steel and holds up to 19 slides; maximum slide size is 75 x 50mm
- Staining Dish 102 is made from non autoclavable glass with inside dimensions of 90 x 70 x 65mm
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Staining Dish Cover 101 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 100	ea.	100
Staining rack	ea.	109
Staining dish	ea.	102
Staining dish cover	ea.	101

Complete Staining Assembly 110

- Complete assembly 110 includes rack/handle (No. 113), dish (No. 112) and cover (No. 111)
- Staining Rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 75 x 50mm
- Staining Dish 112 is made from stainless steel with inside dimensions of 110 x 85 x 75mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 111 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 110	ea.	110
Staining rack	ea.	113
Staining dish	ea.	112
Staining dish cover	ea.	111

Complete Staining Assembly 117

- Complete Assembly 117 includes rack/handle (No. 120), dish (No. 119) and cover (No. 118)
- Staining Rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 75 x 50mm
- Staining Dish 119 is made from stainless steel with inside dimensions of 202 x 85 x 75mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 118 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 117	ea.	117
Staining rack	ea.	120
Staining dish	ea.	119
Staining dish cover	ea.	118

Complete Staining Assembly 121

- Complete Assembly 121 includes rack/handle (No. 113), dish (No. 122) and cover (No. 123)
- Staining Rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 75 x 50mm
- Staining Dish 122 is made from non autoclavable glass with inside dimensions of 110 x 92 x 67mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 123 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 121	ea.	121
Staining rack	ea.	113
Staining dish	ea.	122
Staining dish cover	ea.	123

Complete Staining Assembly 130

- Complete Assembly 130 includes rack/handle (No. 120), dish (No. 131) and cover (No. 132)
- Staining Rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 75 x 50mm
- Staining Dish 131 is made from non autoclavable glass with inside dimensions of 202 x 112 x 72mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 132 is made from stainless steel

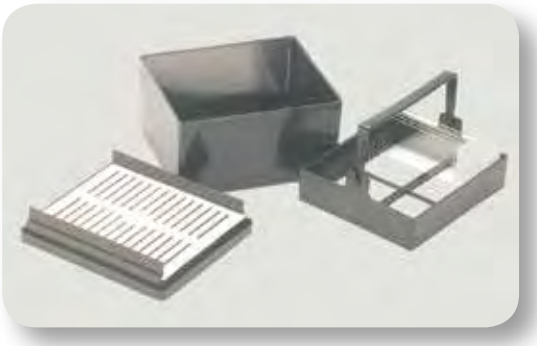
Description	Qty.	Order Number
Complete Assembly 130	ea.	130
Staining rack	ea.	120
Staining dish	ea.	131
Staining dish cover	ea.	132

Plastic Staining Dish, Cover and Rack

- Staining Rack 196 is made from polyoxymethylene plastic and holds up to 25 slides; maximum slide size is 75 x 50mm
- Swing-down rack handle folds flat and does not detach
- Staining Dish 195 is made from microwavable (up to 5 min.) plastic with internal dimensions of 94 x 81 x 49mm; plastic lid is included with dish
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Polyoxymethylene plastic withstands temperatures from -40° to +90°C

Ordering Information

Rack and dish with cover are sold separately. Not available as a complete assembly.



Description	Qty.	Order Number
Plastic staining dish and cover	ea.	195
Plastic staining rack	ea.	196

Small Glass Trough with Glass Lid

- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:

- Glass Rack
  - Wire lifters available
  - Takes 76mm slides up to 40mm wide
- Stainless Steel Swing Handle Rack
  - Takes 76mm slides up to 40mm wide
- Coverslip Staining Rack
  - Takes 22 x 22mm coverslips

Description	Capacity	Order Number
Small Glass Trough with Glass Lid	165ml	**E106**
Glass Rack	10 slides (20 back to back)	**E98**
Wire Lifters for Glass Rack	N/A	**E97/5**
S. S Swing Handle Rack	12 slides	**E100**
Coverslip Staining Rack	25 coverslips	**E103**

Large Glass Trough with Glass Lid

- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:

- Stainless Steel Swing Handle Rack
  - Takes 76mm slides up to 40mm wide

Description	Capacity	Order Number
Large Glass Trough with Glass Lid	240ml	**E105**
S.S Swing Handle Rack	25 slides	**E102**

Small Glass Trough with Stainless Steel Lid

- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:

- Stainless Steel Fixed Handle Rack
  - Takes 76mm slides up to 50mm wide
- Stainless Steel Vertical Slide Rack
  - Takes 76 x 26mm slides

Description	Capacity	Order Number
Small Glass Trough with Stainless Steel Lid	230ml	**E106/7**
S.S Fixed Handle Rack	24 slides	**E102/5**
Vertical Slide Rack	48 slides	**E102/6**

Large Glass Trough with Stainless Steel Lid

- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:

- Stainless Steel Fixed Handle Rack
  - Takes 76mm slides up to 50mm wide (2 x E102/5)
- Stainless Steel Vertical Slide Rack
  - Takes 76 x 26mm slides (takes 2 x E102/6)

Description	Capacity	Order Number
Large Glass Trough with Stainless Steel Lid	500 ml	**E106/9**
S.S Fixed Handle Rack	55 slides	**E102/25**
S.S Fixed Handle Rack	24 slides	**E102/5**
S.S Vertical Slide Rack	48 slides	**E102/6**

Polyacetal Troughs

- Moulded black polyacetal trough with close fitting lid
- Polyacetal can be used with alcohol and xylene but not phenol

Accommodates the following racks:

- Polyacetal Rack
  - Takes 76 x 26mm slides

Description	Capacity	Order Number
Polyacetal Troughs	170 ml	**E107**
Polyacetal Rack	25 slides	**E99**

Thermo Scientific Laboratory Marker Pens

- These permanent, non-toxic pens write on plastic tissue cassettes, painted or frosted-end microscope slides, ceramics, vinyl, porcelain, metal and Mylar®.
- Ink dries quickly, will not run or smear and resists alcohol and xylene
- Fine point gives a thin, easy-to-read line

Description	Qty.	Order Number
Secureline Marker II, Black	ea.	**1451**

Artline Markers

- These permanent, xylene-free, black marker pens will write on almost any surface including glass, porcelain, plastic, metal and rubber.

Description	Order Number
Artline 70 - 1.5mm Bullet Tip	**E22/01/A70/B**
Artline 250 - 0.4mm Tip	**E22/01/A250/B**
Artline 700 - 0.7mm Tip	**E22/01/A700/B**

Slide Labels

Description	Qty.	Order Number
Slide Labels	1000/pk.	**E30/1**

Specimen Buckets

Description	Order Number
0.5 L	**E89/11**
1 L	**E89/12**
2.5 L	**E89/13**
5 L	**E89/14**
10 L	**E89/16**

Thermo Scientific Slide Racks

Vertical Slide Staining Rack

- A stainless steel rack with grooves to hold 76 x 26mm slides.

Capacity	Qty.	Order Number
38 slides (76 x 26mm)	ea.	**143**
60 slides (76 x 26mm)	ea.	**E89**

Plastic Slide Grip

- A moulded plastic slide holder that can withstand chemicals used in staining, including special stains and metals.
- Can be used in temperatures up to 80°C

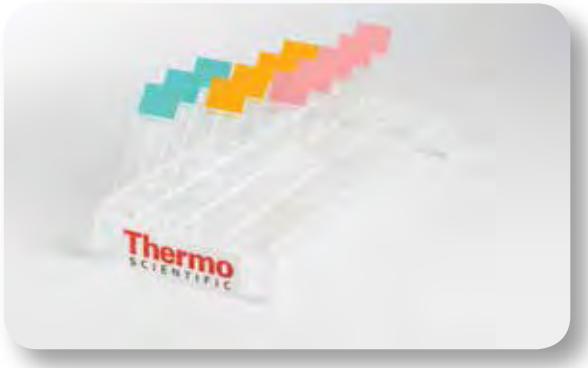
Capacity	Qty.	Order Number
5 slides (76 x 26mm)	ea.	**1795**

Slide Holder

- This stainless steel holder can be used with the Frozen Staining Kit Glass Beakers (see page 118).
- Individually stamped slots

Capacity	Qty.	Order Number
10 slides (76 x 26mm)	ea.	**147**

Angus-Ranieri™ Slide Rack



- Dimensions (D x W x H): 29.2 x 64.8 x 7.6cm

Capacity	Qty.	Order Number
40 slides (76 x 26mm)	ea.	**9991010**

Perspex Slide Rack

- Perspex plate with twelve transverse grooves to take microscope slides of various sizes.
- Dimensions 162 x 64mm

Capacity	Qty.	Order Number
24 slides (76 x 26mm)	ea.	**E89/055**

Immuno Slide Staining Trays

- Developed for routine reagent techniques requiring a humid chamber, this tray allows simple, safe manipulation of slides (76 x 26mm) using only one hand.
- Made of stainless steel with a removable slide support
- Slide support can be tilted to allow buffer or reagent to run-off
- Clear perspex inner cover allows visual examination during staining
- Extra stainless steel cover prevents reagent evaporation

Physical Specification

- Dimensions (D x W x H): 350 x 255 x 35mm (with lid)

Capacity	Qty.	Order Number
24 slides	ea.	**E103/3**

Staining Rack Ends and Rods

- These rack ends and rods are an ideal assembly for staining 76mm slides over a sink.
- Rack ends are made from chrome-plated brass, have levelling feet and are supplied in pairs
- Rods are made from 6mm diameter stainless steel and are supplied in 2 x 60cm lengths

Capacity	Qty.	Order Number
Staining rack ends and rods	ea.	**A82610024**

Coverslip Staining Racks

- These racks securely hold 22mm or 24mm coverslips.
- Available in three sizes
- Five coverslip rack will fit in Vertical Staining Jar 140 or Glass Beaker 146
- Thirty coverslip rack includes a spring-type detachable handle and measures 102 x 28 x 30mm

Description	Qty.	Order Number
5 coverslip rack	ea.	**116**
25 coverslip rack	ea.	**E103**
30 coverslip rack	ea.	**114**

Thermo Scientific Staining Jars

Coplin Staining Jar

- A heavy, clear glass jar with internal grooves.
- Holds 10 slides (76 x 26mm) back-to-back
- Includes a glass drop-on lid or a plastic screw-on cap

Description	Qty.	Order Number
Drop-on lid	ea.	**E94**
Screw-on lid	ea.	**107**

Hellendahl Jar

- A moulded, clear glass jar with internal grooves.
- Holds 16 slides back-to-back
- Includes flanged, clear glass cover
- Wide-mouthed for easy slide handling

Description	Qty.	Order Number
Hellendahl jar	ea.	**E95**

Schieferdecker Jar

- A heavy, clear glass jar with internal grooves.
- Holds 20 slides back-to-back (horizontal orientation)
- Heavy, clear glass jar with internal grooves
- Includes flanged, clear glass cover

Description	Qty.	Order Number
Schieferdecker jar	ea.	**E104**

Stretton Young Jar

- A moulded polypropylene jar with screw fitting lid and grooves to accept 76 x 26mm slides vertically.

Capacity	Qty.	Order Number
10 slides	ea.	**E96**

Plastic Coplin Staining Jar

- A microwaveable, high-density polyethylene jar with internal grooves.
- Holds 10 slides back-to-back
- For general purpose use
- 40mm diameter circular, tapered top
- Includes domed, screw-on cap

Description	Qty.	Order Number
Microwavable plastic Coplin staining jar	ea.	**194**

Columbia Jar

- A glass jar to accept 22 x 22mm coverslips.
- Low volume requirement (8ml) makes this suitable for use with costly reagents
- Supplied with plastic screw-on cap

Capacity	Qty.	Order Number
8 coverslips	ea.	**E93**

Embryo Dishes

- A moulded, clear glass dish with glass lid for use for staining or viewing of free floating specimens.
- Available in two sizes

Description	Qty.	Order Number
30mm	ea.	**E90**
40mm	ea.	**E91**

Count Down/Up Timer

- A compact electronic timer with LCD.
- Slim plastic casing
- Spring clip for pocket use, bench bracket and magnetic plate, bleeper alarm

Description	Qty.	Order Number
Count down/up timer	ea.	**E107/53/CDUT**

Thermo Scientific Haematoxylin Comparison Chart

Haematoxylins for Every Application

	Signature Series Haematoxylin 7211	Signature Series Haematoxylin 7212	Signature Series Haematoxylin 1	Signature Series Haematoxylin 2	Modified Harris	Modified Mayer's
Protocol	Progressive	Progressive	Progressive	Progressive	Regressive	Progressive
Filtration Required	No	No	No	No	No	No
Benefits	Flexible–can be used instead of Harris or Gill; no mucoid staining; can yield ~ 2500 slides	Flexible–can be used instead of Harris or Gill; no mucoid staining; darker than 7211; can yield ~ 3000 slides	Use in place of Gill	Use in place of Harris	Does not contain mercury	No mucoid staining
Frozen Sections	✓	✓	✓	✓	✓	✓
Plastics	✓	✓	✓	✓	✓	✓
Immuno-histochemistry	✓	✓	✓	✓	✓ (cannot be used w/AEC substrate)	✓
Special Stains	✓	✓	✓	✓	✓	✓
Cytology	✓	✓	✓	✓	✓	✓

	Shandon Instant	Harris Unacidified	Harris Acidified	Gill 1	Gill 2	Gill 3
Protocol	Progressive or Regressive	Regressive	Regressive	Progressive	Progressive	Progressive or Regressive
Filtration Required	Formula Dependent	Yes	Yes	No	No	Yes
Benefits	Flexible–can be used in place of Harris or Mayer's; no mucoid staining	No mucoid staining	No mucoid staining	For delicate nuclei; mucoid staining	Will not overstain; mucoid staining	Intense; will not overstain; mucoid staining
Frozen Sections	✓	✓	✓		✓	✓
Plastics	✓	✓	✓		✓	✓
Immuno-histochemistry	✓			✓	✓	
Special Stains	✓			✓		
Cytology	✓	✓	✓		✓	✓

Thermo Scientific™ Signature Series™ Stains

Haematoxylin 7211

A uniquely formulated product that yields results which exceed that of Gill or Harris Haematoxylins.

- No affinity for acid mucopolysaccharide (mucin) staining
- Crisp slides with clear, well-defined nuclear chromatin delineation

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7211**

Haematoxylin 7212

7212 offers a unique formula consisting of a new generation dye-lake complex.

- Rapid, progressive stain requires no filtration prior to use
- Contains no mercuric oxide
- Little affinity for mucin staining
- Results in clear, crisp nuclear stain with a deeper, more robust intensity

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7212**

Haematoxylin 1

This formulation produces staining intensities similar to Gill® 1, 2, and 3 Haematoxylins, based on timing. Differentiation is not necessary, however, Clarifier™ 1 should be used to eliminate any background staining caused by use of excessive water bath adhesive.

- Rapid stain requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7221**

Haematoxylin 2

This formulation produces staining intensity similar to Harris Haematoxylin. Unlike many comparable products, Haematoxylin 2 does not contain mercuric oxide and will not form a metallic sheen over its surface each day.

- Differentiation is not necessary, however, Clarifier 2 should be used to eliminate any background staining caused by the use of excessive water bath adhesive.
- Recommended for frozen sections
- Requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7231**

Eosin-Y

A fast-acting, alcoholic counterstain that provides excellent delineation of cytoplasmic components.

- Colour contrast between the nuclei and cytoplasm is unmatched
- Various shades of red and pink differentiate muscle, red blood cells, and connective tissue
- Strict quality assurance guarantees product consistency and longevity
- Quantitative testing eliminates the need for adjustments in dilution or time

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7111**

Bluing Reagent

Buffered to ensure proper alkalinity (pH = 8.0). This bluing reagent is premixed and ready to use.

- Requires only a one minute rinse in water versus conventional bluing agents which require up to five minutes of rinsing
- Ensures crisp nuclear detail and does not allow for tissue sections to be washed off the slide during the remainder of the staining process

Size	Qty.	Order Number
3.79L bottle	ea.	**7301**
3.79L bottle	4/cs.	**7341**

Clarifier 1, 2

These unique acetic acid reagents supplement the Thermo Scientific family of Haematoxylins.

- Designed to remove background stain caused by excessive use of tissue adhesive and to increase cell transparency
- Both Clarifier 1 and 2 selectively remove Haematoxylin staining from excess adhesive without affecting nuclear staining
- Use of Clarifier 1 or 2 improves contrast between nuclei and cytoplasm

Description	Qty.	Order Number
Clarifier 1		
3.79L bottle	ea.	**7401**
3.79L bottle	4/cs.	**7441**
Clarifier 2		
3.79L bottle	ea.	**7402**
3.79L bottle	4/cs.	**7442**

Thermo Scientific Richard-Allan Scientific Gill 1, 2, 3 Haematoxylin

Gill Haematoxylins are progressive nuclear stains. Three strengths are available, allowing the user complete control of staining intensities.

- Gill 1 is recommended for use in cytology
- Gill 2 has applications in histology and cytology
- Gill 3 is used in histology
- All are premixed and ready to use

Description	Qty.	Order Number
Gill 1 Haematoxylin		
3.79L bottle	ea.	**72411**
Gill 2 Haematoxylin		
3.79L bottle	ea.	**72511**
Gill 3 Haematoxylin		
3.79L bottle	ea.	**72611**

Thermo Scientific™ Richard-Allan Scientific™ Modified Harris Haematoxylin

A regressive nuclear stain.

- Formulation contains no mercury and is more stable than conventional Harris Haematoxylin
- Can be used in both histology and cytology

Size	Qty.	Order Number
3.79L bottle	ea.	**72711**

Thermo Scientific Richard-Allan Scientific Modified Mayer's Haematoxylin

A progressive nuclear stain. It is difficult to overstain sections with this product, yet very crisp nuclear staining is achieved.

- A good choice as a counterstain in immunoperoxidase and special stain procedures
- Requires no acid rinse and does not stain mucin
- Recommended for use when less intense results are desired

Size	Qty.	Order Number
0.47L bottle	4/cs.	**72804**

Thermo Scientific Richard-Allan Scientific Eosin-Y Alcoholic, Eosin-Y with Phloxine

These stains have been developed to satisfy a wide range of customer needs. Strict quality control of raw materials and finished product ensures the highest product quality every time.

- Eosin-Y Alcoholic produces three distinct colour variations enhancing differentiation between muscle, red blood cells, and connective tissue
- Eosin-Y with Phloxine yields a brighter reddish hue and a more dramatic differentiation of cytoplasmic colour than Eosin-Y Alcoholic

Description	Qty.	Order Number
Eosin-Y Alcoholic		
0.47L bottle	4/cs.	**71204**
3.79L bottle	ea.	**71211**
Eosin-Y with Phloxine		
0.47L bottle	4/cs.	**71304**
3.79L bottle	ea.	**71311**

Thermo Scientific Shandon Staining Reagents

All stains use Biological Stain Commission certified dyes

Harris Haematoxylin

- No mucoid staining.
- Acidifed: Intensely stained, blue-black nuclei
- Non-acidified: Intensely stained, blue-black nuclei

Description	Qty.	Order Number
Acidified		
4L bottle	ea.	**6765004**
1L bottle	2/cs.	**6765003**
Non-acidified		
4L bottle	ea.	**6765002**
1L bottle	2/cs.	**6765001**

Instant Haematoxylin (Dry Powder)

- No mucoid staining.
- May be used as a substitute for Harris or Gill
- Stains from blue-black to light blue depending upon preparation

Description	Order Number
6/pk. (makes 1L x 6)	**6765015**

Gill Haematoxylin 1,2,3

- Mucoid staining.
- Gill 1: Light blue nuclei
- Gill 2: Medium blue nuclei
- Gill 3: Blue-black nuclei

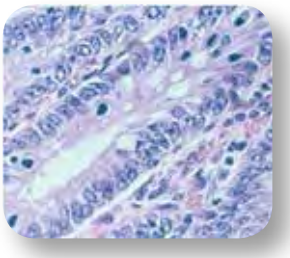
Description	Qty.	Order Number
Gill 1 Haematoxylin		
4L bottle	ea.	**6765006**
1L bottle	2/cs.	**6765005**
Gill 2 Haematoxylin		
4L bottle	ea.	**6765008**
1L bottle	2/cs.	**6765007**
Gill 3 Haematoxylin		
4L bottle	ea.	**6765010**
1L bottle	2/cs.	**6765009**

Bluing Reagent

- A bluing reagent that blues Haematoxylin-stained nuclei.
- Gentle, with no loss or lifting of material from slides (typically associated with ammonia water use)
- Thoroughly pH-controlled for completely effective bluing
- Ready to use

Description	Qty.	Order Number
4L bottle	ea.	**6769002**
1L bottle	2/cs.	**6769001**

Nu-Clear



A specially formulated acid alcohol solution. Acid alcohol enhances staining by removing excess Haematoxylin from the slide, resulting in improved cell clarity. Will also remove the residual Haematoxylin staining the glass.

Designed to be used with the full line of Thermo Scientific automatic stainers as well as manual methods.

Nu-Clear I

- Fast-acting solution
- Recommended for use as a 10-second step in most protocols
- Particularly beneficial for use with Harris Haematoxylin
- May be used on the Thermo Scientific™ Varistain™ 24-4 or Thermo Scientific™ Gemini™

Nu-Clear II

- Less concentrated
- Recommended as a 20 second step
- May be used on the Thermo Scientific™ Linistat™ and other linear stainers
- Recommended for use with Gill Haematoxylins

Description	Size	Qty.	Order Number
Nu-Clear I	3.79L	ea.	**6769008**
Nu-Clear II	3.79L	ea.	**6769009**

Eosin-Y

A fast-acting cytoplasmic counterstain.

- Stable and precipitate-free; no filtering
- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains
- Available in alcoholic or aqueous formulations
- Ready to use

Description	Qty.	Order Number
Eosin-Y Alcoholic		
4L bottle	ea.	**6766008**
1L bottle	2/cs.	**6766007**
Eosin-Y Aqueous		
4L bottle	ea.	**6766010**
1L bottle	2/cs.	**6766009**

Instant Eosin (Dry Powder)

This instant Eosin is stable, precipitate-free and requires no filtering.

- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains

Description	Qty.	Order Number
Alcoholic	6/pk. (makes 6L)	**6765040**
Aqueous	6/pk. (makes 6L)	**6765540**

Thermo Scientific™ R A Lamb™ Staining Solutions

The R A Lamb staining solutions have now been added to the Thermo Scientific range.

These are mainly manufactured to the original Raymond A Lamb formulas which are well established and proven to be of the highest quality.

Description	Size	Order Number
Auramine Phenol	1L	**LAMB/010-D**
Carbol Fuchsin (Ziehl-Neelsen)	1L	**LAMB/020-D**
Carbol Fuchsin (Kinyoun)	500 ml	**LAMB/030-C**
Cold AFB (Blue Counterstain)	1L	**LAMB/040-D**
Cold AFB (Carbol Fuchsin)	1L	**LAMB/050-D**
Cotton Blue Lactophenol	500 ml	**LAMB/060-C**
Crystal Violet (Aqueous 0.5%)	1L	**LAMB/070-D**
Elastin Stain (Miller)	1L	**LAMB/080-D**
Eosin (Aqueous 1%)	1L	**LAMB/100-D**
Feulgen Stain (Schiff)	1L	**LAMB/110-D**
Giemsa "1" Stain (RAL Modified)	1L	**LAMB/120-D**
Giemsa "2" Stain (RAL Modified)	1L	**LAMB/130-D**
Haemalum (Mayer)	1L	**LAMB/170-D**
Haematoxylin (Ehrlich)	1L	**LAMB/190-D**
Haematoxylin (Harris)	1L	**LAMB/230-D**
Haematoxylin (Non-acid)	1L	**LAMB/240-D**
Haematoxylin (Weigert A)	500 ml	**LAMB/250-C**
Haematoxylin (Weigert B)	500 ml	**LAMB/260-C**
Jenner Stain	1L	**LAMB/270-D**
Leishman Stain	1L	**LAMB/280-D**
Lugol Iodine	1L	**LAMB/290-D**
May Grunwald Stain	1L	**LAMB/310-D**
Methyl Green Pyronin (Pappenheim)	500 ml	**LAMB/320-C**
Methylene Blue (Loeffler)	500 ml	**LAMB/340-C**
Neutral Red (Aqueous 1%)	1L	**LAMB/350-D**
Orcein Shikata	500 ml	**LAMB/360-C**
Papanicolaous Stain EA50	1L	**LAMB/370-D**
Papanicolaous Stain OG6	1L	**LAMB/380-D**
Van Gieson Stain	1L	**LAMB/400-D**
Wright Stain	1L	**LAMB/410-D**
FIXATIVES		
Formaldehyde (Conc x 5 phosphate buffered)	1L	**LAMB/520-D**
MOUNTANTS		
Apathy's Mounting Medium	100ml	**LAMB/540-A**
Buffer Solution (Sorenson's) Cone pH 6.8	5 x 25ml	**LAMB/550-A**

Thermo Scientific™ Chromaview™ Special Stain Kits

Series of special stains and reagents function together as a system to visualize specific cell entities

Bring a systems-approach to special stains offering quality, consistency, ease of use, and economy. Available as convenient, ready-to-use kits or as individual components.

Amyloid Stain

For the demonstration of amyloid.

- Alkaline Congo Red solution will stain amyloid orange to red and display apple-green birefringence when examined with polarising microscope

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87003**
Components			
Sodium Hydroxide Solution (dropper)	8ml	ea.	**88004**
Congo Red Solution	500ml	ea.	**88005**
Modifier Mayer's Haematoxylin	500ml	ea.	**88006**

Methyl Green-Pyronin Y

Effective in the identification of plasma cells and RNA in tissue sections and cytological preparations.

- DNA is stained green, and RNA is stained red
- Concentrated MGP is diluted prior to use

Description	Size	Qty.	Order Number
Methyl Green-Pyronin Y	125ml	ea.	**87011**

Iron Stain

Used to detect presence of ferric iron (hemosiderin) in histological or hematological preparations.

- Useful in study of iron deficiency anemia, hemochromatosis, and hemosiderosis
- Iron stains blue, nuclei pink-red, and cytoplasm pale pink

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87006**
Components			
Potassium Ferrocyanide Solution	250ml	ea.	**88013**
Hydrochloric Acid Solution (20%)	250ml	ea.	**88014**
Nuclear Red Thiazin Stain Solution	125ml	ea.	**88015**

Elastic Stain

Based on the Verhoeff Elastic technique.

- Used to demonstrate the atrophy, thinning, and loss of elastic tissue
- Also used for identifying the breaks, splitting, and reduplication of elastic lamellae that occur in vascular diseases
- Elastic fibres are stained blue-black to black with red collagen and a yellow background

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87017**
Components			
Alcoholic Haematoxylin Solution	250ml	ea.	**88007**
Ferric Chloride Solution	125ml	ea.	**88008**
Weigert's Iodine Solution	125ml	ea.	**88009**
Sodium Thiosulfate Solution	500ml	ea.	**88000**
Van Gieson Stain Solution	250ml	ea.	**88011**

Gram Stain (Tissue)

Identifies Gram-positive and Gram-negative bacteria in tissue sections.

- Gram-positive organisms stain blue to blue-black with Gram-negative organisms staining red
- Tartrazine provides a yellow background stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87018**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Crystal Violet Solution	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**

Periodic Acid-Schiff (PAS)

Use to demonstrate the patterns and presence of specific carbohydrates.

- Glycogen, mucin, and some basement membranes and fungal walls will stain rose to magenta while the nuclei are blue

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87007**
Components			
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**
Haematoxylin 1	500ml	ea.	**88018**

Modified Grocott's Methenamine

Silver (Chromic Acid).

- Uniquely modified silver stain formulation utilizes methenamine/borax capsules to make working silver solution
- Aids in distinguishing fungi, basement membranes, and opportunistic organisms such as Pneumocystis carinii in tissue sections
- Chromic acid solution will enhance detection of Pneumocystis carinii, histoplasmosis, and fungus organisms while eliminating non-specific background staining these entities along with reticular fibres are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87024**
Components			
Methenamine/Borax (capsules)	6/pk.	2	**88023**
Fast Green Stain Solution	125ml	ea.	**88024**
Sodium Thiosulfate Solution	125ml	ea.	**88025**
Sodium Metabisulfite Solution	500ml	ea.	**88042**
Gold Chloride Solution (0.1%)	125ml	ea.	**88026**
Chromic Acid Solution (5%)	500ml	ea.	**88041**
Silver Nitrate Solution (5%)	30ml	ea.	**88036**

Modified Grocott's Methenamine

Silver (Periodic Acid).

- Uniquely modified silver stain formulation utilises methenamine/borax capsules to make working silver solution
- Aids in distinguishing fungi, basement membranes, and opportunistic organisms such as Pneumocystis carinii in tissue sections
- These entities, along with reticular fibres, are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87008**

Alcian Blue/PAS

Use to demonstrate presence of both neutral and acidic mucosubstances.

- Alcian Blue pH 2.5 Stain Solution can be used alone to stain acid mucins and other carboxylated and sulfated acid mucosubstances blue on tissue sections
- Periodic Acid Schiff (PAS) reaction is used for glycogen, basement membranes, and neutral mucosubstances; stains these entities pink

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87023**
Components			
Alcian Blue pH 2.5 Stain Solution	500ml	ea.	**88043**
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**

Reticulin Silver

This Gordon and Sweet's modification will identify and visualize reticular fibres in tissue sections.

- Working ammoniacal silver solution selectively impregnates and reacts with reticular fibres through multiple reactions, including oxidation and reduction
- Kernechtrot Nuclear Fast Red Stain Solution provides red background stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87025**
Components			
Oxalic Acid Solution	125ml	ea.	**88045**
Potassium Permanganate Solution	125ml	ea.	**88046**
Ferric Ammonium Sulfate Solution	125ml	ea.	**88047**
Reducing Solution	500ml	ea.	**88048**
Gold Chloride Solution (0.1%)	125ml	ea.	**88026**
Sodium Thiosulfate Solution	125ml	ea.	**88025**
Kernechtrot Nuclear Fast Red Stain Solution	125ml	ea.	**88049**
Silver Nitrate Solution (10%)	125ml	ea.	**88050**
Ammonium Hydroxide Solution	8ml	ea.	**88051**
Sodium Hydroxide Solution (3%)	125ml	ea.	**88052**

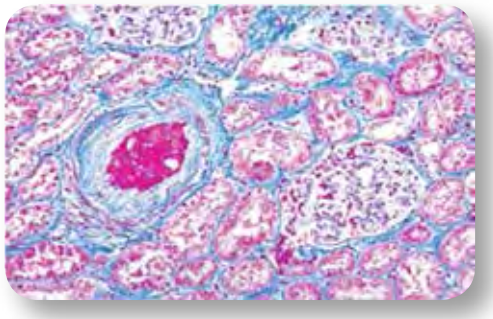
Steiner-Steiner Silver

Determines spirochetes and nonfilamentous bacteria.

- Bacteria (including spirochetes and Legionella pneumophilia), Donovan bodies, and fungi all stain black
- Background is stained yellow to brown
- Kit formulation and detailed procedures provide consistent and reproducible results; kit does not contain uranyl nitrate

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87009**
Components			
Silver Nitrate Solution #2 (dropper)	8ml	ea.	**88021**
Silver Nitrate Solution #1	500ml	ea.	**88033**
Gum Mastic Solution	500ml	ea.	**88034**
Hydroquinone (capsules)	6/pk.	2	**88035**
Sensitiser Solution	500ml	ea.	**88054**

Masson Trichrome



Vibrant colours of Masson Trichrome stain aid in differentiating collagen and smooth muscle in tumours; also help detect diseases of connective tissue and changes in muscle tissue.

- Cytoplasm, keratin, and muscle fibres are stained red, with collagen and mucin stained blue
- Nuclei are black

Description	Size	Qty.	Order Number
1 kit	-----	ea.	**87019**
Components			
Biebrich Scarlet: Acid Fuchsin Solution	250ml	ea.	**88019**
Phosphotungstic-Phosphomolybdic Acid Solution	250ml	ea.	**88024**
Aniline Blue Stain Solution	250ml	ea.	**88022**
Weigert's Iron Haematoxylin- Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin- Part B	500ml	ea.	**88029**
Bouin's Fluid	500ml	ea.	**88038**
1% Acetic Acid Solution	500ml	ea.	**88039**

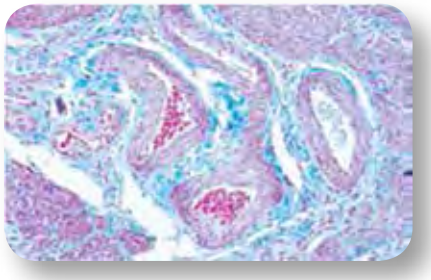
Mucicarmine

This stain is useful in the identification of primary tumour sites.

- Aids in distinguishing mucin-negative undifferentiated squamous cell lesions from mucin-positive adenocarcinomas
- Mucin is stained dark rose and the nuclei are black
- Capsule of Cryptococcus (fungus) is stained deep rose
- Tartrazine solution is used as a yellow cytoplasmic stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87012**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Mucicarmine Stock Solution	500ml	ea.	**88037**

Gomori Trichrome (Green Collagen)



Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes.

- One-step trichrome stain provides distinctive red muscle fibres with green collagen staining

Description	Size	Qty.	Order Number
1 kit	---	ea.	**87021**
Components			
Weigert's Iron Haematoxylin- Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin- Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution,Green Collagen	500ml	ea.	**88031**
Bouin's Fluid	500ml	ea.	**88038**

Gomori Trichrome (Blue Collagen)

One-step trichrome stain achieves colour differentiation similar to the Masson Trichrome with a simple, time-saving procedure.

- Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes
- Collagen is stained blue, cytoplasm and muscle fibres red, and the nuclei blue to black

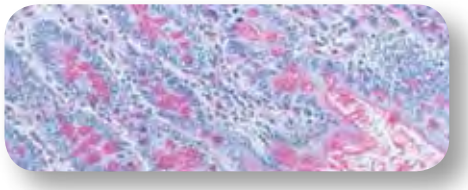
Description	Size	Qty.	Order Number
1 kit	----	ea.	**87020**
Components			
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution, Blue Collagen	500ml	ea.	**88030**
Bouin's Fluid	500ml	ea.	**88038**

Solutions

Description	Size	Qty.	Order Number
Carbol Fuchsin-Kinyoun Solution (Cold Technique)	500ml	ea.	**88106**
Carbol Fuchsin-Kinyoun Solution (Heat Technique)	500ml	ea.	**88107**
Carbol Fuchsin-Ziehl-Neelsen Solution	500ml	ea.	**88108**
Loeffler Methylene Blue Stain Solution	1L	ea.	**88111**
Lugol's Iodine Solution (Concentrate)	500ml	ea.	**88114**
Phosphate-Buffered Saline, pH 7.4	10g	12	**86112**

Thermo Scientific Special Stain Kits

Periodic Acid Schiff Kit (PAS)



For the demonstration of polysaccharides, neutral mucosubstances, and basement membranes.

- Kit components include: Digestion kit; Harris Acidified Haematoxylin counterstain; manual, automated, and microwave protocols

Description	Size	Qty.	Order Number
Periodic Acid Schiff Kit	250ml	ea.	**B24200-250**

Acid-Fast Bacillus Stain

Allows rapid differentiation of acid-fast microorganisms from non-acid fast micro-organisms.

- Methylene Blue provided as counterstain
- No slide heating necessary
- Stains and reagents are ready to use
- Use as routine stain in microbiology or a special stain for histology
- Kit components include: Acid-Fast Bacillus Stain (Carbol Fuchsin); Acid Alcohol Decolourizer; and Methylene Blue Counterstain

Description	Size	Qty.	Order Number
Acid-Fast Bacillus Stain Kit	250ml	ea.	**9990730**

Thermo Scientific Haematology Stains

Giemsa Stain

An excellent classical blood film stain used on peripheral blood smears and bone marrow.

- Erythrocytes stain pink with platelets exhibiting a very light, pale hue
- Leukocyte nuclear chromatin stains magenta-purple
- Monocyte cytoplasm stains the classical “ground glass” blue
- Lymphocyte cytoplasm stains clear, sky blue

Description	Qty.	Order Number
0.95L bottle	ea.	**89002**
3.79L bottle	ea.	**89004**
9.46L bottle	ea.	**89003**

Buffered Wright Stain

A single solution stain containing fixative, buffer, and stain for rapid and convenient staining of blood smears.

- Packaged in a 0.95L bottle for ease of use; suitable for use on automated systems

Description	Qty.	Order Number
0.95L bottle	12/cs.	**3111**

Wright Stain

A dual-use stain for peripheral blood and bone marrow smears.

- Produces results similar to those of the Giemsa stain with a slightly greater contrast

Description	Qty.	Order Number
0.95L	ea.	**89012**
3.79L	ea.	**89010**
9.46L	ea.	**89011**

Wright-Giemsa Stain

A dual-use stain for peripheral blood and bone marrow smears.

- Produces somewhat darker results compared with Giemsa, particularly in the blue to magenta shades

Description	Qty.	Order Number
0.95L bottle	ea.	**89013**
3.79L bottle	ea.	**89014**
9.46L bottle	ea.	**89017**

Buffered Wright-Giemsa Stain

A single solution stain containing the fixative, buffer, and stain for rapid and convenient staining of blood smears.

- Suitable for use on automated systems

Description	Qty	Order Number
0.95L bottle	12/cs	**3121**

Wright-Giemsa Solution

Eosinates of polychrome methylene blue yield rich colour.

- Unique manufacturing process produces an intense differential stain for blood smears, bone marrows, mast cells, and FNAs
- Demonstrates microorganisms such as Microfilaria, Babesia, Haemobartonella, Giardia, Pneumocystis, and Helicobacter

Description	Size	Order Number
Wright-Giemsa Solution	4L	**9990715**

May-Grunwald Stain

A classical haematology stain requires longer staining times but produces very dense colouration.

- Used in the staining of peripheral blood smears and bone marrows
- Results are dramatically darker when compared with Giemsa and Wright Giemsa stains

Description	Qty	Order Number
0.95L bottle	12/cs	**89027**

Tetrachrome Blood Stain

This stain utilises the MacNeal formula.

- Can be substituted for Wright Stain solution

Description	Qty	Order Number
0.95L bottle	ea.	**89028**

Reticulocyte Stain

A specialised haematology stain for identifying immature erythrocytes.

- Immature erythrocytes stain blue in a fine mesh network within the erythrocyte; mature erythrocytes do not stain

Description	Qty	Order Number
125ml bottle	ea.	**89029**

Jenner Stain

Used for staining of peripheral blood smears.

- One of the oldest stain formulations still in use today
- Provides results similar to that of Giemsa stain
- Eosinophillic granules tend to appear brighter red, basophillic granules and nuclear chromatin stain a dense blue

Description	Qty	Order Number
0.95L	ea.	**89030**

Three-Step Stain

Three-Step Stain Set provides results equal to Wright-Giemsa.

- Stain can be used to detect H. Pylori
- Set contains three 500ml bottles consisting of Fixative Solution, Solution A (Eosin-Y), and Solution B (Azure A and Methylene Blue)
- Package insert provides easy-to-follow instructions
- Components are also available in 3.79L containers to facilitate use on automated stainers

Description	Size	Qty.	Order Number
Three-Step Stain Set	3 x 500ml	ea.	**3300**
Three-Step Fixative	3.79L	ea.	**3303**
Three-Step Solution A	3.79L	ea.	**3313**
Three-Step Solution B	3.79L	ea.	**3323**

R A Lamb Rapid Romanowsky Staining Kit

A triple stain pack which is used as a fast method of producing Romanowsky stain for use on blood cells, protozoa and spermatozoa.

- The pack contains 3 x 500ml bottles consisting of a Fixative Solution, and Acid dye and a basic dye

Description	Size	Qty.	Order Number
Rapid Romanowsky Staining Kit	3 x 500ml	ea.	**LAMB/610-K**

Haematology Stain Packs

Modified Wright and Wright-Giemsa Stain Packs are manufactured to fit Hema-Tek® 1, 1000, and 2000 slide stainers.

- Each pack comes in a convenient sleeve and contains a buffer, rinse, and stain
- Decreased precipitate with human blood smears
- Lot is quality controlled
- Complete line of accessories is also available

Description	Qty.	Order Number
Modified Wright Stain Pack	5/pk.	**3000**
Modified Wright-Giemsa Stain Pack	5/pk.	**3005**
Stain Pack Accessories		
Pump Tube Set (3/pk.)	8/pk.	**3010**
Cannula Set (3/pk.)	16/pk.	**3011**
Under Platen Tubing (3/pk.)	8/pk..	**3012**

Phosphate Buffer (6.6, 7.2)

Phosphate buffers for use with Giemsa, Wright, and Wright-Giemsa stains.

- Each single-use bottle yields 1L

Description	Size	Qty.	Order Number
Phosphate Buffer pH 6.6 (powder)	9.25g	12/cs.	**89032**
Phosphate Buffer pH 7.2 (powder)	9.25g	12/cs.	**89033**

Kwik-Diff Stains

A fast, three-step differential stain for cytologic preparations, FNAs, and microorganisms such as Helicobacter Pylori.

- A quick alternative to traditional Wright's and Giemsa staining procedures
- Kit components include: Reagent 1, Fixative; Reagent 2, Eosin; Reagent 3, Methylene Blue
- Available in kit form or as individual components

Description	Size	Order Number
Kwik-Diff Stain Kit	500ml	**9990700**
Kwik-Diff Stain Kit	125ml	**9990701**
Components		
Kwik-Diff Reagent 1, Fixative	4L	**9990705**
Kwik-Diff Reagent 2, Eosin	4L	**9990706**
Kwik-Diff Reagent 3, Methylene Blue	4L	**9990707**

Thermo Scientific Microbiology Stains

Gram Stain Kit (Film)

Provides qualitative differential staining of bacteria from cultures and patient specimens using a modified Hucker Gram stain method.

- Gram-positive microorganisms are stained purple and the Gram-negative bacteria stain pink to red

Description	Size	Qty.	Order Number
Gram Stain Kit (film)	1 kit	ea.	**87101**
Components			
Crystal Violet Solution	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**
Sodium Bicarbonate Solution	8ml	2/cs.	**88116**

Microbiology Reagents

Description	Size	Qty.	Order Number
Decolourising Solution	500ml	ea.	**88104**
Basic Fuchsin Stain Solution	500ml	ea.	**88105**
Gentian Violet Solution Aq. (1%)	1L	ea.	**88109**
Gentian Violet (Hucker) Solution	3.79L	ea.	**88110**
Safranin O Stain Solution	9.5L	ea.	**88112**
Acid Alcohol Solution 95%	1L	ea.	**88113**

Gram Stain

This Gram stain can be used as routine bacteriologic stain on fixed smears and histological slides.

- Based upon the popular Hucker modification
- Demonstrates the presence of microorganisms such as bacteria and differentiates between Gram-positive and Gram-negative bacteria
- Safranin O provided as a counterstain
- Available in kit form or as individual components
- Kit components include: Crystal Violet Stain, Gram's Iodine (stabilized), Decolourising Solution, and Safranin O Counterstain

Description	Size	Order Number
Gram Stain Kit	250ml	**9990720**
Gram Stain Kit	125ml	**9990721**
Gram Crystal Violet Stain	4L	**9990725**
Gram's Iodine	4L	**9990726**
Gram Decolourising Solution	4L	**9990727**
Safranin O	4L	**9990728**

Thermo Scientific Portable Staining Kits

Rapid-Chrome H & E Frozen Section Staining Kit

This kit produces permanently stained slides. It includes Rapid-Fixx, an economical, alcohol-based formalin ideal for fixing slides from frozen sections.

- Kit components include: Rapid-Fixx fixative, deionized water, Eosin-Y, xylene, Gill 3 Haematoxylin, bluing reagent, 100% alcohol, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990001**

Rapid-Chrome Papanicolaou Staining Kit

Excellent for rapid results of fine needle aspirations or high-risk specimens. This kit contains a five-slide holder and a portable tray.

- Kit components include: Rinse water, Gill 2 Haematoxylin, bluing reagent, EA-50, 100% alcohol, OG-6, 95% alcohol, xylene, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990020**

Rapid-Chrome Kwik-Diff Staining Kit

Specially configured for performing quick, high-quality differential stains. This kit is ideal for FNA carts.

- Kit components include: Fixative, Methylene Blue, Eosin, deionized water, spill-free slide jar, one plastic slide grip, Superfrost slides, 24 x 50, No. 1 Coverslip, resin mount mountant, one cardboard slide folder and a Secureline® marker

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990702**

R A Lamb Immersion Oil

R A Lamb Immersion Oil is ideal for microscopy.

Description	Qty	Order Number
500ml Bottle	ea.	**LAMB/OIL**

Thermo Scientific Dyes and High Purity Chemicals

Manufactured to meet rigid specifications

Dry Powder Stains

Certified by the Biological Stain Commission

Description	Qty.	Order Number
Eosin-Y	100g	**90017**
Haematoxylin	25g	**90022**
Wright Stain	25g	**90049**

Formaldehyde 37% (ACS)

Solution is stabilised

- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9300-1**
18.9L	ea.	**9300-5**
208L	ea.	**9300-55**

Acetone (ACS)

Meets spectrophotometric grade specifications

- Filtered to 0.2Rm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9000-1**
18.9L	ea.	**9000-5**
208L	ea.	**9000-55**

Ethyl Alcohol

Anhydrous formula is denatured with Methanol, MIBK, Ethyl Acetate, and Heptane

- Maximum of 0.1% water
- Maximum residue content of 0.003%

Description	Qty.	Order Number
3.79L	4/cs.	**9200-1**
18.9L	ea.	**9200-5**
208L	ea.	**9200-55**

10% Neutral Buffered Formalin

Pre-mixed, ready-to-use solution

- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9400-1**
18.9L	ea.	**9400-5**

Isopropyl Alcohol (ACS)

99.5% meets spectrophotometric grade specifications

- Filtered to 0.2µm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9500-1**
18.9L	ea.	**9500-5**
208L	ea.	**9500-55**

Methyl Alcohol (ACS)

Anhydrous

- Meets spectrophotometric grade specifications
- Final filtration is 0.2µm

Description	Qty.	Order Number
3.79L	4/cs.	**9600-1**
18.9L	ea.	**9600-5**
208L	ea.	**9600-55**

Xylenes (ACS)

Reagent grade; offers the end-user a high-quality product

Description	Qty.	Order Number
3.79L	4/cs.	**9900-1**
18.9L	ea.	**9900-5**
208L	ea.	**9900-55**

Thermo Scientific Dry Dyes & Dry Chemicals

Description	Size	CI No.	Order Number
Alcian Blue 8GX	25g	74240	**S6-2**
Alizarin Red S	25g	58005	**S16-2**
Aniline Blue (Water Soluble)	25g	42755	**S23-2**
Biebrich Scarlet	25g	26905	**S52-2**
Celestin Blue	10g	51050	**S75-1**
Chromotrope 2R	25g	16570	**S82-2**
Congo Red	25g	22120	**S87-2**
Cresyl Violet Acetate	5g	-	**S100-0**
Cresyl Violet Acetate	25g	-	**S100-2**
Crystal Ponceau	25g	16250	**S101-2**
Crystal Violet	25g	42555	**S102-2**
Eosin Ethyl	25g	45386	**S114-2**
Eosin (Yellowish Water/ Alcohol Soluble)	100g	45380	**S115-3**
Fast Green FCF	25g	42053	**S142-2**
Field Stain A	25g	-	**S163-2**
Field Stain B	25g	-	**S164-2**
Fuchsin Acid	25g	42685	**S168-2**
Giemsa Stain	25g	-	**S172-2**
Gold Chloride (Yellow)	1g	-	**C76**
Haematein	25g	75290	**S176-2**

Description	Size	CI No.	Order Number
Haematoxylin	25g	75290	**S178-2**
Haematoxylin	100g	75290	**S178-3**
Light Green	25g	42095	**S194-2**
Lissamine Fast Yellow	25g	18965	**S197-2**
Luxol Fast Blue MBS	25g	-	**S205-2**
Malachite Green	25g	42000	**S208-2**
Martius Yellow	25g	10315	**S210-2**
May Grunwald Stain	25g	-	**S212-2**
Methylene Blue (Chloride)	25g	52015	**S225-2**
Neutral Red	25g	50040	**S254-2**
Nuclear Fast Red	25g	60760	**S265-2**
Oil Red O	25g	26125	**S267-2**
Orange G	25g	16230	**S269-2**
Orcein Synthetic	5g	-	**S271-0**
Ponceau S	25g	27195	**S287-2**
Ponceau de Xylidine	25g	16150	**S289-2**
Safranine 0	25g	50240	**S305-2**
Sirius Red F3B	25g	35780	**S309-2**
Toluidine Blue	25g	52040	**S338-2**
Victoria Blue B	25g	44045	**S345-2**

Thermo Scientific Tissue Marking Dyes

This user friendly system permanently marks the margins of excised surgical specimens for exact orientation.

- Special binding pigment evenly coats the tissue without penetrating tissue surface
- Does not interfere with diagnostic interpretation because colours are not similar to standard histopathology dyes
- Easy-to-use and quick-drying which decreases time factor in urgent frozen sectioning
- Available individually or as a kit (includes one bottle each of black, blue, yellow, red, and green; 50 applicator sticks; storage base)

Description	Size	Order Number
Tissue Marking Dye Kit	----	**3120123**
Marking Dyes		
Blue Tissue Marking Dye	59ml	**3120124**
Black Tissue Marking Dye	59ml	**3120125**
Yellow Tissue Marking Dye	59ml	**3120126**
Red Tissue Marking Dye	59ml	**3120127**
Green Tissue Marking Dye	59ml	**3120128**

Thermo Scientific Coverslips

General-Purpose Coverslips

- Highest quality glass
- Free from blisters and flaws
- Cleaned and polished
- Consistent in cut, thickness, and dimensional accuracy

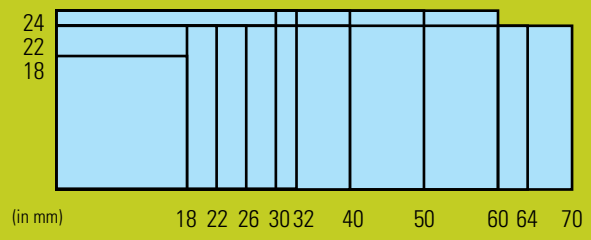
Description	Qty	Order Number
No. 1		
18 x 18mm	1000/pk.	**6776316**
22 x 22mm	5 x 200/pk.	**6776309**
22 x 26mm	1000/pk.	**6776320**
22 x 32mm	10 x 100/pk.	**6776312**
22 x 40mm	10 x 100/pk.	**6776313**
22 x 50mm	1000/pk.	**6776314**
22 x 60mm	1000/pk.	**6776324**
22 x 64mm	1000/pk.	**6776321**
22 x 70mm	10 x 100/pk.	**1001624**
24 x 24mm	1000/pk.	**6776317**
24 x 32mm	10 x 100/pk.	**6776318**
24 x 40mm	10 x 100/pk.	**6776319**
24 x 50mm	10 x 100/pk.	**6776322**
24 x 60mm	10 x 100/pk.	**6776325**
No. 1.5		
22 x 22mm	1000/pk.	**6776301**
22 x 26mm	1000/pk.	**6776311**
22 x 32mm	1000/pk.	**6776301**
22 x 40mm	1000/pk.	**6776304**
22 x 50mm	1000/pk.	**6776315**
24 x 40mm	10 x 100/pk.	**6776306**
24 x 50mm	10 x 100/pk.	**6776307**
24 x 60mm	10 x 100/pk.	**6776308**

Thermo Scientific™ Signature Series™

- Uniquely manufactured to eliminate sticking and reduce waste
- Excellent choice for use in automatic coverslippers

Description	Size	Qty.	Order Number
No. 1			
24 x 40mm	1 oz. box	10/cs.	**12440S**
24 x 50mm	1 oz. box	10/cs.	**12450S**

Thermo Scientific Coverslip Size Guide



Coverslip Thickness Ranges:

No.1 = 0.13 to 0.17mm

No.1.5 = 0.16 to 0.19mm

Thermo Scientific™ Consul™ No-Stick Coverslips

- These coverslips have been designed not to stick together.
- Ideal for use on the Thermo Scientific Consul Automated Coverslipper

Description	Qty	Order Number
No. 1		
22 x 40mm	10 x 100/pk.	**7411273**
22 x 50mm	10 x 100/pk.	**7411274**
22 x 60mm	10 x 100/pk.	**7411275**
24 x 40mm	10 x 100/pk.	**7411270**
24 x 50mm	10 x 100/pk.	**7411271**
24 x 60mm	10 x 100/pk.	**7411272**
No. 1.5		
22 x 40mm	10 x 100/pk.	**7411279**
22 x 60mm	10 x 100/pk.	**7411281**
24 x 40mm	10 x 100/pk.	**7411276**
24 x 50mm	10 x 100/pk.	**7411277**
24 x 55mm	10 x 100/pk.	**7411282**
24 x 60mm	10 x 100/pk.	**7411278**

Circular Coverslips

Description	Qty.	Order Number
No. 1		
6mm dia.	1000/pk	A67761327
12mm dia.	1000/pk	A67761333
10mm dia.	1000/pk	A67761328

Large Coverslips

Description	Qty.	Order Number
No. 1		
32 x 38mm	100/pk	A67761331
35 x 64mm	100/pk	A67761329
38 x 50mm	100/pk	A67761332
48 x 64mm	100/pk	A67761330

Thermo Scientific Coverslipping Forceps

Standard Coverglass Thumb Forceps

- Flat, square tips
- Stainless steel construction

Description	Qty.	Order Number
12.1cm	ea.	19040

Kuehne Coverglass Forceps

- Angled tips
- Stainless steel construction

Description	Qty.	Order Number
10.2cm	ea.	19060

Watchmakers Forceps

- High quality, brushed stainless steel forceps with smooth arms and very fine points

Description	Qty.	Points	Order Number
Straight; 12cm	ea.	3	E16/2
Straight; 11cm	ea.	4	E16/3
Straight; 11cm	ea.	5	E16/4
Curved; 12cm	ea.	7	E16/5

Lens Tissue Booklets

- Booklets of 50 leaves of high quality Whatman™ tissues

Description	Qty.	Order Number
100 x 75mm	50/bk.	E19

Thermo Scientific Coverslipping Mountants

Mountants for every coverslipping application

Thermo Scientific™ Shandon-Mount™

- A permanent mounting medium for conventional coverslipping.
- Economical, organic, overnight-drying liquid coverslip
- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Low (72 to 120 cps at 22°C)

Description	Qty.	Order Number
60ml	ea.	**1900331**
120ml	ea.	**1900333**
500ml	2/cs.	**9990435**

R A Lamb DPX

- A rapid drying mounting medium ideal for routine use.
- Refractive index: 1.51 ±0.005 (wet)

Description	Qty.	Order Number
1L bottle	ea.	**LAMB/DPX**

Thermo Scientific™ EZ-Mount™

- Compatible with membrane filters, this mountant is a permanent and organic mountant.
- Xylene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: High (1280 to 2790 cps at 22°C)

Description	Qty.	Order Number
500ml	2/cs.	**9999120**

Thermo Scientific™ Immu-Mount™

- An aqueous base for immunostaining and other techniques.
- Non-permanent mountant
- Economical, organic, overnight drying liquid coverslip
- Aqueous base for immunostaining and other techniques
- Non-fluorescing medium with a low viscosity
- Resists fading and polymerises quickly for easier handling of finished slides
- Refractive index: 1.495 ±0.002 (liquid); 1.586 ±0.002 (dry)
- Viscosity: Low (120 to 160 cps at 24°C)
- pH: 8.0 from 8.8 at 21° to 24°C

Description	Qty.	Order Number
20ml	ea.	**9990402**
20ml	6/cs.	**9990412**
1L	ea.	**9990414**

Xylene Substitute Mountant

- Formulated specifically for use with Thermo Scientific Shandon Xylene Substitute. A permanent, organic mounting medium.
- Compatible with all routine xylene subsistute clearing agents
- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Medium (120 to 265 cps at 24°C)

Description	Qty.	Order Number
60ml	ea.	**1900231**
120ml	ea.	**1900233**
500ml	2/cs.	**9999122**

Synthetic Mountant

A permanent, organic mountant.

- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Medium (170 to 200 cps at 22°C)

Description	Qty.	Order Number
500ml	2/cs.	**6769007**

Thermo Scientific™ Signature Series™ Mounting Medium

This mounting medium is miscible with all clearing agents including xylene substitutes.

- Rapid drying
- Toluene base
- Optically clear
- Will not cause fading of stains even after prolonged storage

Description	Qty.	Order Number
118ml	6/cs.	**4112**
470ml	2/cs.	**4111**

Thermo Scientific™ ClearVue™ Mountants

Description	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	**4211**
ClearVue-XYL Mountant, Xylene-based, 2/pk.	**4212**

Thermo Scientific™ Consul-Mount™

This permanent, organic mountant has been sesigned specifically for use with the Thermo Scientific Consul coverslipper.

- Histology and Cytology formulations available
- Xylene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Cytology - Medium/ High (490 to 640 cps at 24°C); Histology - Medium (125 to 200 cps at 24°C)

Description	Qty.	Order Number
Cytology formulation; 500ml	4/cs.	**9990440**
Histology formulation; 500ml	4/cs.	**9990441**

Thermo Scientific™ Cytoseal™ 60

A clear, colourless, toluene-based mounting medium formulated from acrylic resins. The addition of antioxidants inhibits fading or yellowing of stained specimens.

- Will not crack or discolour with age
- Cytoseal 60 is a low-viscosity medium that dries quickly and allows for rapid, even spreading which virtually eliminates air bubbles

Description	Qty.	Order Number
118ml	12/cs.	**8310-4**
473ml	12/cs.	**8310-16**

Thermo Scientific Cytoseal XYL

This mountant contains an antioxidant to inhibit the fading or yellowing of stained specimens.

- Xylene-based
- Rapid drying allows microscopic examination of slides soon after application

Description	Qty.	Order Number
118ml	12/cs	**8312-4**

Thermo Scientific Cryostat Consumables

Thermo Scientific™ Cytocool™ II

Used to "flash freeze" tissue specimens in the cryostat. Also used to harden difficult-to-cut tissue on microtome during sectioning

- Does not contain any ozone-depleting chloro-fluorocarbons (CFCs)
- Simply vary finger pressure on the trigger nozzle to control tissue freezing; this feature helps to prevent over-cooling of specimen
- Integral trigger nozzle eliminates need to attach separate handle to each can, making Cytocool II can less bulky and more comfortable to hold during use

Description	Qty.	Order Number
325ml	12/cs.	**8323**

Ice-It

Rapid freezing aerosol for the "flash freezing" of tissue in histology.

- Comfortable trigger nozzle makes dispensing easy to control; can be used with or without a capillary nozzle
- Does not contribute to ozone depletion
- Helps maintain moisture in blocks

Description	Qty.	Order Number
325ml	12/cs.	**8325**

Thermo Scientific™ Neg-50™ Frozen Section Medium

Water-soluble frozen section medium yeilds high-quality sections even down to -50°C without chatter

- Leaves no residue after staining
- Compatible with the Thermo Scientific™ Automatic Cryo-Approach™ (ACA) system
- Ordering Information
- Available in five colours for easy identification of specimens: pink, blue, green, yellow and orange. Multi packs contain one of each colour.

Description	Qty.	Order Number
Colourless Neg-50, 118ml	2/cs	**6502**
Blue Neg-50, 118ml	2/cs	**6502B**
Green Neg-50, 118ml	2/cs	**6502G**
Orange Neg-50, 118ml	2/cs	**6502O**
Pink Neg-50, 118ml	2/cs	**6502P**
Yellow Neg-50m, 118ml	2/cs	**6502Y**
Colourless Neg-50, 118ml	6/cs	**6506**
Neg-50 Multi-Pack	6/cs	**6506M**

Thermo Scientific™ Mark-It™ Tissue Marking Dyes

Provide an efficient means of tissue margin identification. User-friendly system uses permanent dyes that maintain their original brilliance throughout the entire routine tissue processing cycle; can be used on all fresh or formalin-fixed tissues.

- Various uses for this system include:
- Marking surgical margins
- Identifying serial segments of large tissues to ensure proper orientation and embedding
- Maintaining proper tissue orientation for Moh's surgery specimens
- Identifying multiple pieces of tissues processed in the same cassette
- Includes
- Kit includes one base, one of each of the six colour dyes and applicator sticks.

Description	Qty.	Order Number
Kit	ea.	5000
Black dye, 59ml	ea.	5000BK
Blue dye, 59ml	ea.	5000BL
Green dye, 59ml	ea.	5000G
Orange dye, 59ml	ea.	5000O
Red dye, 59ml	ea.	5000R
Yellow dye, 59ml	ea.	5000Y
Applicator Sticks	864	5001

Frozen Section Staining Kit

Ideal for laboratories that process a limited number of slides. Works well for staining tissue mounted on coverglass.

- Sturdy cover with piano hinge seals beakers to minimise evaporation
- Rubber feet on rack protect table surface
- Glass beakers have a capacity of 200ml and are 10cm tall
- Slide holder will hold ten 76 x 26mm slides
- Stainless steel support rack measures 21.6 x 48.3 x 22.6mm
- Includes
- Kit includes 12 beakers, a stainless steel slide holder and a heavy-gauge stainless steel support rack with six round openings to hold beakers.

Description	Qty.	Order Number
Frozen section staining kit	ea.	145
Glass beakers only	12/pk.	146
Slide holder only	ea.	147
Stainless steel support rack only	ea.	23145

Thermo Scientific™ Cryomatrix™

Outstanding embedding resin used to support tissue for frozen sectioning.

- Forms a firm bond with the specimen holder that secures and supports tissue
- Removed during staining
- Freezes quickly, sections smoothly and dissolves in water without residue

Description	Qty.	Order Number
120ml	4/pk.	**6769006**

M-1 Embedding Matrix

Water soluble, clear embedding mix.

- Particularly effective on specimens with high water content such as eyes and CNS
- Optimum sectioning temperature of -12°C to -13°C

Description	Qty.	Order Number
180ml	ea.	**1310**

Thermo Scientific™ Cryochrome™

Outstanding embedding resin used to support tissue for frozen sectioning.

- Colour codes frozen sections for easy identification and tracking
- Four colours available; pink, blue, yellow, green
- Formulated with physical characteristics identical to Cryomatrix

Description	Qty.	Order Number
Cryochrome Blue, 120ml	4/pk.	**9990422**
Cryochrome Yellow, 120ml	4/pk.	**9990423**
Cryochrome Green, 120ml	4/pk.	**9990428**
Cryochrome Pink, 120ml	4/pk.	**9990429**
Cryochrome sampler (one of each colour), 120ml	4/pk.	**9990426**

Thermo Scientific Cytospin 4 Cytocentrifuge

The ultimate thin-layer cell preparation system

Synonymous with cytocentrifugation for over 40 years, the Thermo Scientific™ Cytospin™ is used in more than 16,000 laboratories worldwide. It provides economical thin layer preparations from any liquid matrix, especially hypocellular fluids such as spinal fluids and urines.

- Process 12 specimens at one time
- Accepts all protocols from Cytospin 1, 2 and 3
- Redesigned lid release mechanism allows for one-handed opening and closing
- Only operates when the lid is locked into position and lid remains locked during rotation
- Polycarbonate window allows the operator to see the sealed head during cytocentrifugation
- Designed for easy disinfecting
- Meets stringent IEC 61010 standards for centrifuge safety
- Pull-out program card allows for up to nine programs to be logged for fast and convenient retrieval

Safe and Reliable

- Allows user to load the sealed head in a microbiological cabinet for enhanced safety
- Auto-locking, plastic outer lid
- Autoclavable sealed head
- Disposable sample chambers with caps
- Safety alarms that protect users and specimens
- Wipe-clean control panel
- Simple Principle for Excellent Presentation
- Using centrifugal principles, the cytocentrifuge deposits cells onto a clearly defined area of a glass slide and allows for the absorption of the residual fluid into the sample chamber's filter card
- Cytocentrifugation also constructively flattens cells for excellent nuclear presentation
- During operation, the instrument's spinning action tilts Thermo Scientific™ Cytofunnels™ upright and centrifuges cells onto the deposition area of the slide, giving all cell types equal opportunity for presentation
- In the Load or Stop position, the tilting feature reduces cell loss by preventing residual fluid from coming into contact with the prepared slide

Simple and Precise Controls

- Protected program memory stores up to 23 routines for instant recall and protects from power loss
- Program keypad has "easy-touch" design that allows for easier key strokes and more intuitive programming
- Speed window displays the programmed spinning speeds from 200 to 2000rpm
- Three acceleration control buttons allow the operator excellent flexibility and exceptional protection for fragile samples
- Time window displays the programmed and remaining run time from 1 to 99 min
- Control feature has a standby power saving mode; displays are also turned on and off by the standby key
- Safety alarms include an audible alarm when the cytocentrifuge is out of balance, outside the speed tolerance or if the lid is not properly locked
- Unit will not spin if the lid is not locked
- Specimen safety alarm feature reminds users at one-minute intervals to remove specimens and protect them from "air-drying" to help ensure consistent results

Physical Specifications

Dimensions (H x W x D):

With closed lid: 24 x 40.5 x 62cm

With opened lid: 62.5 x 40.5 x 62cm

Weight:12kg

Power Requirements: 100-240 VAC, 50/60Hz, 1Ph, 150VA Max.

Includes

Sealed head/rotor, marking pen, operator guide, service record book and standard workflow diagram.

Starter Kits

Thermo Scientific EZ Funnel Starter Kit includes:

- 25 EZ Megafunnels
- 20 EZ Single White Cytofunnels,
- 20 EZ Double Cytofunnels
- Cytoslides

Thermo Scientific Clipped Funnel Starter Kit includes:

- 50 Single White Cytofunnels
- 25 Double Cytofunnels
- Cytoslides
- 12 Cytoclips

Certifications and Compliance

IEC 61010, CSA, UL and CE Mark (IVDD compliant)

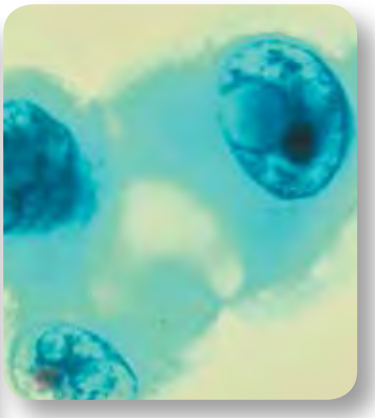
Thermo Scientific Cytospin sealed head

Description	Order Number
Cytospin 4 unit only	**A78300002**
EZ Funnel Starter Kit	**A78710013**
Clipped Funnel Starter Kit	**3120110**

Accessories	Qty.	Order Number
Additional sealed head	ea.	**59910018**
Sealed head seals	3/pk.	**59910019**
Service manual	ea.	**A78310251**

Thermo Scientific Cytospin 4 Applications

Disciplines that use the Cytospin 4



Cytology

- Many types of collection fluids and funnel options available
- Offers quality presentation at a fraction of the cost of other “thin layer” technologies
- Prepares both “air-dried” and “fixed” specimens
- Can be used for LBC applications

Microbiology

- Micro-organisms are often present in low numbers from limited sample volumes-cytocentrifugation effectively spins the micro-organisms onto the slide, maximising the yield and presenting those organisms in a clean, defined area, allowing for straightforward morphological identification
- Only a small sample volume is needed so multiple samples may be run for a variety of special staining and support testing
- It also concentrates samples for Gram stains

Haematology/Oncology

- Easy to achieve a constant cell/unit volume
- Excellent for all fluids, bone marrow and peripheral blood
- Even with a cell count of “zero,” the Cytospin often locates the few cells in the fluid that the counter missed

Virology

- There are many published technical papers using the Cytospin for the rapid detection of respiratory viruses, CMV detection, ISH, FISH, etc.

Research/General Use

- The most cost-effective, time-effective way to make quality thin-layer cell presentations
- Excellent for molecular studies, specialised staining applications and EM
- Used in veterinary, dental and chemosensitivity protocols

Thermo Scientific EZ Cytofunnel Sample Chambers

Clipless funnels for easier preparations

Thermo Scientific™ EZ Cytofunnel™ General Features

- For single use with all Thermo Scientific Cytospin Cytocentrifuge applications
- Optimise cell yield
- Reduce the risk of exposure to pathogenic samples
- Disposable to eliminate time-consuming decontamination and cleaning
- Decrease the possibility of cross-contamination
- Eliminate the need for metal Thermo Scientific™ Cytoclips™
- Produce more cost-effective, thin layer preparations when compared with other thin layer methods

Includes

Closure caps and easy-to-use operational illustrations

EZ Single Cytofunnel with White Filter Cards

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached white filter card for high absorbency

Qty.	Order Number
40/box	A78710003
200/pk.	A78710020

EZ Single Cytofunnel with Brown Filter Cards

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached brown filter card for slower absorbency
- Excellent for scanty specimens such as CSF

Qty.	Order Number
40/box	A78710004

EZ Double Cytofunnel

- Disposable sample chamber with white filter card and cap
- Allows two sample deposition areas on a single slide
- Double the number of sample presentations per run
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
40/box	A78710005
200/cs.	A78710021

EZ Megafunnel with Cap and Slide

- Designed for convenient preparation of larger volume samples
- Cytofunnel designed for spinning large samples up to 6ml
- Minimises the need to pre-centrifuge
- Cell deposition area of 22 x 14.75mm (325mm²) for increased cell yield
- Prepares both air-dried and fixed preparations, providing additional valuable diagnostic information
- The Thermo Scientific™ EZ Megafunnel™ can be loaded outside the Centrifuge and it can stand on the worktop without a bench stand

Includes:

Thermo Scientific Megafunnel Cytoslides

Qty.	Order Number
25/box	A78710001

EZ Single Cytofunnel Bench Stand

- Convenient for loading samples outside of the Cytospin chamber
- Stainless steel construction
- Holds 12 EZ Cytofunnels

Qty.	Order Number
ea.	A78710022

Thermo Scientific™ Cytofunnels™

The original is still the most trusted clipped funnel available today

- Fits snugly against a specially marked Cytoslide
- Held in place with a Thermo Scientific Cytoclip
- Twelve assemblies fit into the Cytospin head
- Cytoclips easily unlock to dispose of the sample chamber and to remove the slide

Single Cytofunnel with White Filter Card

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Pre-attached filter card

Qty.	Order Number
50/box	5991040
500/cs.	1102548

Single Cytofunnel with Brown Filter Card

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Pre-attached filter card
- Excellent for scanty specimens such as CSF
- Increases cell yield

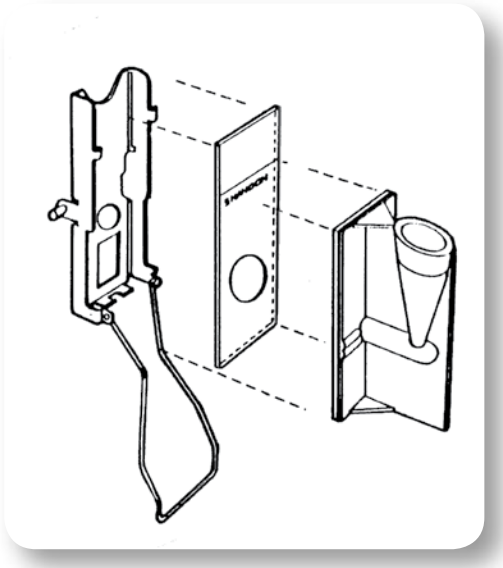
Qty.	Order Number
50/box	5991043

Double Cytofunnel

- Disposable sample chamber with white filter card and cap
- Reduces preparation time
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
25/box	5991039
500/cs.	1102547

How the Cytofunnel Works



- The Cytofunnel fits snugly against a specially marked Thermo Scientific Cytoslide and is held in place by a Cytoclip. Twelve Cytoclip assemblies fit into the Cytospin head
- After cytocentrifugation, the Cytoclip easily unlocks to dispose of the sample chamber and to remove the slide

Cytoclip Stainless Steel Slide Clip

- Holds Cytofunnel disposable sample chamber against the microscope slide
- For preparation in the Thermo Scientific Cytospin cytocentrifuge
- Autoclavable and reusable

Qty.	Order Number
6/box	**59910052**

TPX Single Sample Chamber, Caps and Filter Cards

- TPX Single Sample Chamber
- Reusable
- Autoclavable
- Use with disposable white filter cards for sample volumes up to 0.5ml
- Use with disposable brown filter cards for sample volumes of 0.4ml or less

Filter cards

- Highly absorbent disposable filter cards for use with TPX chamber
- Not for use with Cytofunnel disposable sample chambers
- Use white filter cards for samples up to 0.5ml
- Use brown filter cards for samples of 0.4ml or less

Description	Qty.	Order Number
TPX Sample Chamber	12/cs.	**A78710018**
Closure caps	12/cs.	**59910025**
Brown filter cards	200/box	**5991023**
White filter cards	200/box	**5991022**

Thermo Scientific™ Cytoslides™

- Microscope slides made specifically for cytology applications
- Specimen area is outlined for rapid location during screening
- All slides are 75 x 25mm
- Made from high-quality optical glass
- Coated slides
- Eliminate the need for albumin coating procedures
- Save labour and resource time
- Eliminate background staining on albuminised, IHC, or ISH processed slides
- Compatible with Thermo Scientific™ SlideMate™

Single Cytoslides

- For use with Thermo Scientific EZ Single Cytofunnel
- White, 12mm dia. circle defines the cell display area to allow for efficient and rapid location
- Uncoated slides available with circle on front or back
- Sold in boxes of 100 slides

Description	Order Number
Coated circle, back	5991056
Non-coated circle, back	5991051
Non-coated circle, front	5991059

Double Cytoslides

- For use with Thermo Scientific EZ Double Cytofunnel Chambers
- Each specimen is displayed within a circle marked as 1 or 2
- Number circles correspond with the Cytofunnel chamber
- Sold in boxes of 100 slides

Description	Order Number
Coated	5991055
Non-coated	5991054

Mask Cytoslides

- For immunofluorescence
- Black coating masks out UV light to restrict microscope viewing to the specimen
- Sold in boxes of 100 slides

Description	Order Number
Single circle, black mask	5991057
Double circle, blue mask	B5991050

Thermo Scientific Staining and Fixation Fluids

Signature Series Cyto-Stain

- Uniquely formulated cytoplasmic stain produces results similar to conventional Papanicolaou stains
- Use for all gynaecological and non-gynaecological procedures
- Reduces staining time
- Cost-effective because user performs only one counterstain, not two
- Cyto-Stain provides a full range of familiar cytoplasmic colours and allows the user control over the staining intensities
- Cyto-Stain G is a modification to produce greener cyanophilic hues in intermediate and basal cells

Description	Qty.	Order Number
Cyto-Stain		
0.47L	4/cs.	**7511**
3.79L	ea.	**7501R**
Cyto-Stain G		
3.79L	ea.	**7501G**

Papanicolaou Stain OGs

- OG-6 stains the keratinized areas of the cell
- Modified OG is a Gill modification that minimises precipitation and reduces staining time
- Use OG-6 with EA-36 or EA-50 when staining gynaecological specimens
- Use modified OG with EA-65 for staining non-gynaecological specimens

Description	Qty.	Order Number
OG-6		
3.79L	ea.	**75211**

Papanicolaou Stain EAs

- Provide brilliant cytoplasmic staining for gynaecological and non-gynaecological specimens
- Different formulations offer the user control of the colour intensities and hues
- EA-36 and EA-50 are used in conjunction with OG-6 for gynaecological staining
- EA-65 is used with OG-6 for non-gynaecological staining
- Modified EA is a Gill modification that minimises precipitation, reduces staining time, and does not contain Bismarck Brown

Description	Qty.	Order Number
EA-36		
3.79L	ea.	**75411**
EA-50		
0.47L	4/cs.	**75504**
3.79L	ea.	**75511**
EA-65		
0.47L	4/cs.	**75604**
3.79L	ea.	**75611**
Modified EA		
0.47L	4/cs.	**75704**
3.79L	ea.	**75711**

Fix-Rite 2

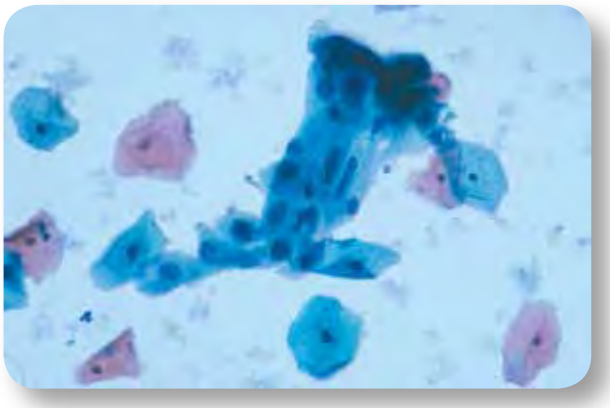
- Spray fixative used for routine cytological preparations
- Coating protects cells when mailing or transporting slides to the laboratory
- Packaged in 4 oz. containers to allow the user complete control during application gynaecological staining

Description	Qty.	Order Number
Pump spray bottle	12/cs.	**76150**

Thermo Scientific Cytology Stains

Biological Stain Commission-certified dyes

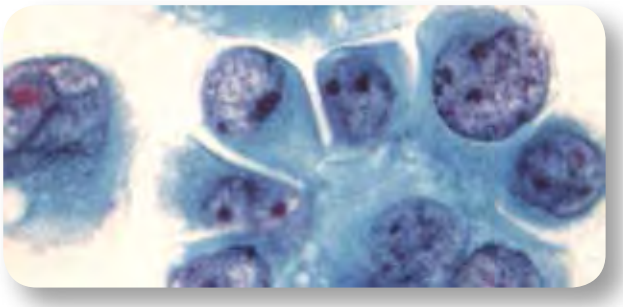
EA-50 Stain



- Polychromatic cytoplasmic stain
- Clearly differentiates cellular components with pink, green and blue-green hues

Size	Qty.	Order Number
1L	2/cs.	**6766001**
4L	ea.	**6766002**

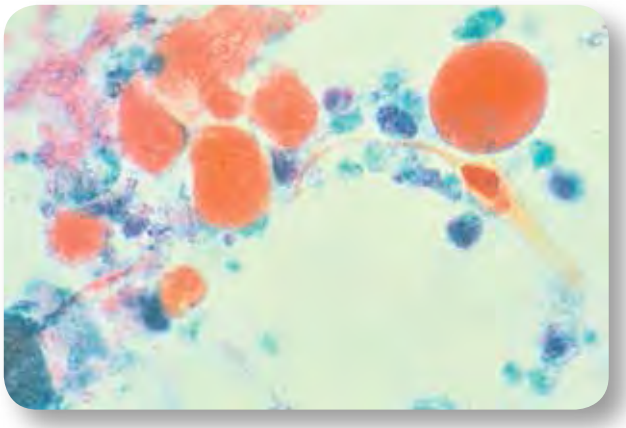
EA-65 Stain



- Polychromatic cytoplasmic stain
- Lower concentration of light green improves expression of eosin stained components
- Ideal for thicker non-gynaecological preparations

Size	Qty.	Order Number
1L	2/cs.	**6766003**
4L	ea.	**6766004**

OG-6 Stain



- Demonstrates keratin in cytoplasm

Size	Qty.	Order Number
1L	2/cs.	**6766005**
4L	ea.	**6766006**

Thermo Scientific Cytology Consumables

Quality consumables for the best results

Thermo Scientific™ Cytospin™ Collection Fluid

- Ready-to-use alcohol/Carbowax (PEG) combination for direct specimen collection and fixation
- Permits storage of specimens or unstained slides for weeks without adverse effect
- Packaged in convenient pump bottle or pre-filled specimen cups

Description	Qty.	Order Number
Pump Bottle		
3.79L	ea.	**6768001**
Bottle		
500ml	2/cs.	**6768315**
10L	2/cs.	**9990310**
Cups		
120ml, filled to 60ml	125/cs.	**9990323**

Thermo Scientific™ CytoRich™ Red Collection Fluid

- Ready-to-use, alcohol-based fluid
- Lyses RBCs and solubilises proteins
- Compatible with immunohistochemistry
- Pre-filled containers available

Size	Qty.	Order Number
Bottle		
3.79L	ea.	**B9990800**
500ml	2/cs.	**B9990801**
Cups		
20ml, filled to 10ml	180/cs.	**B9990802**
120ml, filled to 60ml	125/cs.	**B9990803**

Thermo Scientific™ Cell-Fixx™ Spray Fixative

- Spray fixative for convenient preparation of slides
- Includes Carbowax, which coats the smear to maintain cellular detail
- Prevents air dying artefact and cell loss

Size	Qty.	Order Number
50ml	6/cs.	**6768326**

Thermo Scientific™ Mucolexx™

- Ready-to-use mucoliquefying preservative
- Liquefies (with agitation) mucoid cytology specimens
- Maintains cellular detail
- Short-term preservation of specimens

Description	Qty.	Order Number
Bottle		
500ml	4/cs.	**9990370**
3.79L	ea.	**9990371**
Cups		
120ml, filled to 60ml	50/cs.	**9990375**

Thermo Scientific Cell Preparation Systems

Cell preparation system designed for cytology applications

Thermo Scientific™ Octospot™ Starter Packs

- Cytocentrifuge cells from 8-well microlitre strips directly onto a microscope slide (96 spots per spin); turn eight slides into one
- Incorporates an 8-well strip, an 8-well slide, a holding block, and a filter card assembled in a standard Thermo Scientific™ Cytoclip™
- Solvent-resistant slides retain separate reagents in individual wells to prevent cross-contamination

Description	Order Number
With EZ-Write slides	**1001622**
With solvent-resistant slides	**1001623**

Accessories	Qty.	Order Number
Thick filter cards	100/pk.	**1001641**
Thin filter cards	200/pk.	**1001649**
8-well strips	5/cs.	**1001643**
8-well strips, loose	60/bag	**1001642**
Solvent-resistant slides, 8 spots	100/box	**1001645**
EZ-Write slides, 8 spots	100/box	**1001646**
Coverslips (pk.), 22 x 70mm, 1.0mm thick	10/cs.	**1001624**
Holding block	ea.	**1001644**
Slide rack lids	50/pk.	**1001647**

Thermo Scientific™ Cytoblock™ Cell Block Preparation System

- Facilitates processing of FNAs, tissue fragments and cell buttons quickly and reliably
- Increases ability to process scanty or unseen material for cell block and reduces loss of critical material
- Suitable for immunohistochemical techniques
- Replaces time-consuming, costly agar and thrombin techniques
- Requires phosphate-free fixative on processor, such as Thermo Scientific fixatives Zinc Formal-Fixx™, Formal-Fixx™ or Glyo-Fixx™ (formalin substitute); or simply bypass formalin fixation steps on processor
- Cytoblock can also be run on a rapid biopsy program

Description	Order Number
For 50 specimens	**7401150**
Replacement reagents, 11ml ea.	**7401151**

Thermo Scientific™ PapSpin™ Gynaecological Test

For ease, efficiency and the pure economics of Pap test methodology

Liquid based cytology system provides greater accuracy, ease of use and better results every time. Compatible with the Thermo Scientific™ Cytospin™ 4 Cytocentrifuge.

- For 100 tests
- Traditional cervical cell collection with broom device
- Tip deposited in collection vial containing preservative fluid
- 100% of collected cells are transferred to vial
- Uniform cell distribution in a thin layer
- Air drying eliminated
- Obscuring factors significantly reduced or eliminated
- Batch processing - 12 samples per run
- Random cell sample is deposited by cytocentrifugation onto glass slide using an EZ Megafunnel cell transfer chamber
- Results in a clearly defined 22 x 14.75mm screening area with uniform distribution
- Slides are stained with the traditional Papanicolaou method

Includes

Four PapSpin Specimen Collection Kits (containing 25 vials with fluid, 25 specimen collection brushes and specimen identification labels) and four Specimen Processing Kits (containing 25 EZ Megafunnels with caps and 25 slides).

Description	Qty.	Order Number
PapSpin Gynaelogical Test	100/pk.	**A78710006**
Collection Fluid	125ml	**6768351**
Collection Fluid	500ml x 2	**6768350**

Thermo Scientific™ Gross-Star™ Pathology Workstation

Organised workstation for the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy
- cleaning)
- ½hp or ¾ hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap, optional dictation system and optional formalin dispensing system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Optional camera and monitor/keyboard brackets are available
- Camera bracket slides along the width of the unit
- Monitor bracket is designed to hold a thin flat-screen display monitor
- Each unit comes with an integral centimetre ruler on the front lip of the table top
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard type 316 stainless steel construction
- Designed for Easy Delivery and Installation

110-120V units

Draw 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 213 to 233 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Top Piece Weight: Uncrated - 125kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 182kg; Crated - 227kg

Plumbing specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/C (pending)

Includes†

Fixed-height work surface (specify height within range of 84 to 104cm), remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual controls, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of table top, adjustable lower shelf (W x D): 41 x 20cm, fixed upper shelf, fluorescent light, type 304 stainless steel construction and integrated glove dispenser.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9800000**
Left Hand	**9800001**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9800004**
Left Hand	**9800005**

Factory Installed Options

- Integrated dictation systems include a proximity microphone and foot pedal controls
- Waste formalin collection systems with alarms feature both audible and visual alarms

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Backdraft and downdraft fume capture system
Backdraft fume capture system (no downdraft)
Elevating work surface height
Exhaust system, external
Exhaust system, re-circulating
Foot pedal controls for cold/hot water tap
Formalin dispensing system with foot-pedal controls
Hood assembly
Integrated dictation system with microcassette recorder
Integrated dictation system with standard cassette recorder
Task lamp (specify left or right side)
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires towel dispenser (1070214)

Optional hands-free foot pedal controls cold/hot water tap and optional formalin dispensing system

Description	Order Number
Adjustable shelf, (W x D) 41 x 20cm	B21203
Camera bracket	B21125
Camera bracket adapter for use with hood assembly	B21126
Fresh formalin dispensing carboy	B12036
Magnetic instrument bar (tools not included)	104393
Magnifier for task lamp	B21200
Movable dictation recorder rack	B21202
Movable requisition rack	105417
Photographic blue polyethylene dissecting board	B36115
Formaldehyde-neutralising (potassium permanganate) filters/fine particle filter packs	9990850
Shelf for Thermo Scientific™ PrintMate™	B21215
Splash shield on flexible arm (requires drilling for installation)	B1003279
Stand-alone dictation system with microcassette recorder	C1003447
Stand-alone dictation system with standard cassette recorder	C1003446
Thin monitor/keyboard bracket	B21110
Towel bar for rolled towels (must have Towel Dispenser 1070214)	104268
Towel dispenser for C-fold towels	1070214
Ventilated waste bin (specify left or right side)	B21115

Optional monitor/keyboard brackets

Optional dictation system

Sink, tap, hand spray and manual manifold rinse control valve

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting.

Remote exhaust

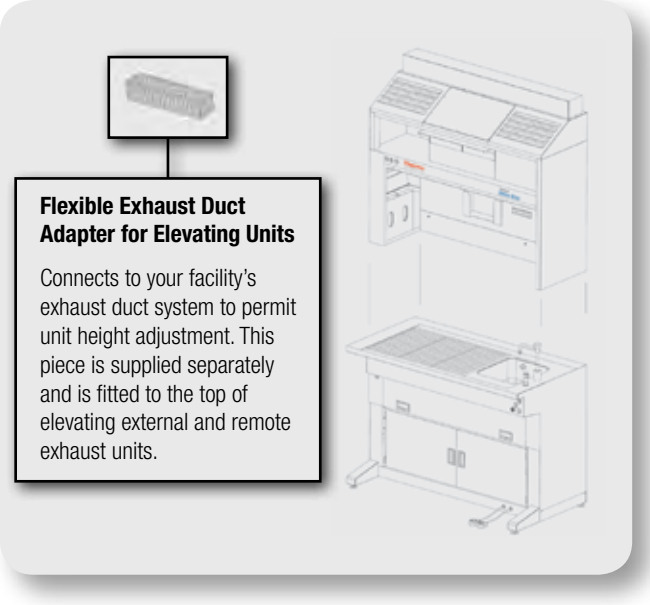
If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External‡	Remote
N/A	N/A	**Recommended Exhaust Airflow Volume 0.260 - 0.283m³/s.**
N/A	N/A	**Pressure Loss through Unit with Downdraft 0.17 - 0.20mb**
N/A	N/A	**Pressure Loss through Unit with Backdraft 0.47 - 0.57mb**
Average Capture Velocity with Downdraft at 7.5cm above work surface:		
0.152 - 0.168m/s	0.279 - 0.300m/s	0.371 - 0.406m/s
Average Capture Velocity with Backdraft at back of work surface:		
0.406 - 0.427m/s	0.635 - 0.676m/s	0.798 - 0.874m/s
Average Capture Velocity with Optional Backdraft at front of work surface:		
0.203 - 0.224m/s	0.229 - 0.259m/s	0.305 - 0.335m/s
Average Face Velocity with Optional Hood Assembly:		
0.254 - 0.305m/s	0.432 - 0.483m/s	0.584 - 0.635m/s

‡ Data represents units without filters. With filters, external exhaust capture and face velocities are similar to re-circulating data.

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.



Flexible Exhaust Duct Adapter for Elevating Units

Connects to your facility's exhaust duct system to permit unit height adjustment. This piece is supplied separately and is fitted to the top of elevating external and remote exhaust units.

Thermo Scientific™ Gross-Star™ Pathology Work Bench

For the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy cleaning)
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap and optional formalin dispensing system
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Each unit comes with an integral centimeter ruler on the front lip of the tabletop
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard Type 316 stainless steel construction

Designed for Quick and Easy Installation

- Work bench is supplied through a standard 81cm doorway
- Connects directly to facility cold/hot water supplies and drains
- Units are hardwired to facility electrical system
- Workbench ships in one convenient assembly

Recommended Depth from Front of Unit to Wall

For the purpose of room planning, backs of fixed-height units can be flush to walls

Elevating units require approximately 2.5cm clearance between the back of the unit and wall to accommodate height adjustment

110-120V units

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 114 to 135 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Weight: Uncrated - 193kg; Crated - 250kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut-off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Includes†

Fixed height work surface; height to be specified by customer with range of 84 to 104cm, remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual control, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of tabletop, type 304 stainless steel construction

† Contents, packaging, and quantities of inclusions are subject to change without notice.

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/Cfor cold/hot water faucet (pending)

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9800002**
Left Hand	**9800003**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9800006**
Left Hand	**9800007**

Accessories	Order Number
Magnetic instrument bar (tools not included)	**104393**
Magnifier for task lamp	**B21200**
Movable dictation recorder rack	**B21202**
Movable requisition rack	**105417**
Photographic blue polyethylene dissecting board	**B36115**
Shelf for Thermo Scientific™ PrintMate™	**B21211**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand-alone dictation system with standard cassette recorder	**C1003447**
Stand-alone dictation system with microcassette recorder	**C1003446**
Ventilated waste bin (specify left or right side)	**B21115**

Factory Installed options

Waste formalin collection systems with alarms feature both audible and visual alarms

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Backdraft and downdraft fume capture system
Backdraft fume capture system (no downdraft)
Elevating work surface height
Foot pedal controls for cold/hot water tap
Formalin dispensing system with foot pedal controls
Task lamp (specify left or right side)
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Remote exhaust
Recommended Exhaust Airflow Volume: 0.260 – 0.283m³/s
Pressure loss through unit with standard downdraft: 0.37 – 0.45mb
Pressure loss through unit with optional backdraft: 0.67 – 0.82mb
Average Capture Velocity with Downdraft at 7.cm above work surface:
0.366 – 0.396m³/s
Average Capture Velocity with Backdraft at back of work surface:
0.792 – 0.864m³/s
Average Capture Velocity with Backdraft at front of work surface:
0.300 – 0.325m³/s

Thermo Scientific™ Grosslab™ Senior Pathology Workstation

Superior quality, value-packed pathology workstation

Superior Functionality

- Retractable acrylic side splash shields
- Units with elevating or fixed-height work surface are available
- Elevating units have a user-adjustable work surface height from 85 to 116cm
- Fixed-height units have a work surface that is factory set to your specification from 85 to 116cm
- Deep sink with cold/hot water tap
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with disposal; some areas prohibit the use of disposals)
- Proximity or manual controls for water, optional disposal and optional dictation system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Each unit comes complete with an integral centimetre ruler
- Built-in end table rinse washes down work surfaces quickly
- Optional camera and monitor/keyboard brackets are available

Three Ventilation System Options

- Re-circulating and external exhaust models feature formaldehyde neutralising filters
- External exhaust models include an integral blower for short distances
- Remote models connect to the facility exhaust system

Superior Quality

Stainless steel work surfaces and panels

- Extruded aluminium frame is designed to distribute weight evenly, stand up to heavy use, resist corrosion, add durability and minimise unit weight
- Built tough to stand up to years of extensive work without corrosion

Designed for Easy Delivery and Installation

- All units are supplied in two convenient pieces
- Both parts fit through a standard 81cm doorway
- The two assemblies link firmly with easy-to-assemble integral cam latches
- Connects directly to facility's cold/hot water supplies and drain
- Units are hardwired to the facility's electrical system

110-120V Models

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V Models

Use 20 amps, including up to 7 amps by two IEC 320 receptacles, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W): 206 to 236 x 152cm)

Depth shown on next page

Work Surface Height (customer-specified on fixed height models): 85 to 116cm

Sink (L x W x D): 36 x 30.5 x 15cm

Top Piece Weight: Uncrated - 129kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 215.5kg; Crated - 247kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Installed Depth of Grosslab Units:

- Elevating, re-circulating units: 93cm
- Elevating, external exhaust units: 96.5cm
- Elevating, remote exhaust units: 96.5cm
- Fixed-height, re-circulating units: 83cm
- Fixed-height, external exhaust units: 93cm
- Fixed-height, remote exhaust units: 93cm

Includes†

Fixed height work surface within range of 86 to 116cm, remote exhaust, louvred backdraft ventilation, sink, cold/hot water tap with manual controls, built-in end table rinse with manual controls, hand spray, electrical receptacle, centimeter ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel table top and panels, extruded aluminium frame and retractable acrylic side splash shields.

† Contents, packaging and quantities of inclusions are subject to change without notice.

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9700000**
Left Hand	**9700001**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9700002**
Left Hand	**9700003**

Factory Installed Options

- Integrated dictation systems include a proximity microphone and foot pedal controls
- Waste formalin collection systems with alarms feature both audible and visual alarms
- B21225 is only available on units with remote exhaust
- Proximity-sensing controls option includes programmable clock and filter replacement alarm

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Elevating work surface height
Exhaust system, external
Exhaust system, re-circulating
Foot pedal controls for cold/hot water tap
Foot-pedal control for optional disposal
Foot pedal control for end table rinse
Integrated dictation system with microcassette recorder
Integrated dictation system with standard cassette recorder
Proximity sensing controls
Task lamp (specify left or right side)
Tea strainer tap, bracket and tea strainer
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires towel dispenser (1070214)

Available accessories	Order Number
Camera bracket	**10661**
Fresh formalin dispensing carboy	**B12036**
Magnetic instrument bar (tools not included)	**104393**
Magnifier for task lamp	**B21200**
Magnifier on flexible arm	**104404**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable splash shield	**10486**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filters	**9990850**
Shelf for Thermo Scientific™ PrintMate™ (requires Part no. B10708)	**B21229**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand-alone dictation system with microcassette recorder	**C1003447**
Stand-alone dictation system with standard cassette recorder	**C1003446**
Thin monitor/keyboard bracket	**B10708**
Towel bar for rolled towels (must have towel dispenser 1070214)	**104268**
Towel dispenser for C-fold towels	**1070214**
Ventilated waste bin (specify left or right side)	**B21115**

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting. (Facility duct and remote blower, if required, by others.)

Remote exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.236m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External		Remote
N/A	N/A		Average Air Velocity at 0.236m³/s
N/A	N/A		Pressure loss through unit 1.02mb
Vented Area with Side Panels:			
0.452m³/s	0.538m³/s	Without Filters	0.650m³/s
	0.406m³/s	With Filters	
Front of Unit with Side Panels:			
0.193m³/s	0.279m³/s	Without Filters	0.351m³/s
	0.112m³/s	With Filters	

Options

- Proximity-sensing controls for cold/hot water tap, table rinse and optional disposal
- Table rinse with manual controls supplied as standard.
- May be ordered with optional proximity controls
- Units have 15cm deep sinks. An optional tea strainer and separate tap and strainer for rinsing currettings and other small specimens is available. Deeper sinks are available
- Call for details

Thermo Scientific™ Grosslab™ Junior Bench Top Workstation

Space-saving bench top pathology workstation

Features

- Rapid positive drainage
- Quick, easy installation
- Three exhaust system options
- Ergonomically designed to be low to the counter
- Use with optional stand (10456) to free up counter space
- Back draught design for efficient capture of fumes across the work surface
- Programmable microprocessor allows clock time to be changed or the filter replacement alarm to be reset
- Optional splash shield (10486) protects the user while dissecting specimens
- Flat, stainless steel work surfaces include three removable perforated grid plates on bench top units
- One IEC 320 Power Entry Module and one point-of-use power cord
- Requires facility receptacles with 15 amp circuits for each power cord
- Industrial-grade flexible hose connects to cold water supply line
- NPT connection and reinforced flexible hose connect to facility drain line
- 110-120V models use 15 amps, including the two hospital grade duplex earth fault circuit interrupter receptacles
- 220-240V models use 15 amps, including the four IEC 320
- receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

Re-circulating: 116 x 122 x 71cm

External: 134 x 122 x 71cm

Remote: 134 x 122 x 71cm

Work Surface Height: 44mm above bench top

Recommended Depth: 74cm from front of unit to wall

Sink (W x L x D): 46 x 15 x 10cm

Weight: Uncrated - 136kg; Crated - 159kg

Includes†

Remote exhaust, louvred backdraft ventilation, centre sink on lower shelf, cold water tap with rocker switch for user choice of proximity sensing control or manual control, deluxe hand spray, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, one 13mm industrial-grade flexible hose with 19mm female hose fittings for connection to cold water supply line, one 19mm NPT connection and 25mm I.D. reinforced flexible hose for connection to facility drain line

†Contents, packaging and quantities of inclusions are subject to change without notice.

Description	Order Number
110-120V, 60Hz, 1Ph	**9600000**
220-240V, 50/60Hz, 1Ph	**9600003**

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Optional stand (Order No.10456) transforms the bench top unit into a stand-alone workstation. Sturdy, extruded aluminium frame with stainless steel shelf can be height adjusted from 71 to 107cm

Factory Installed Options

Integrated dictation systems include a proximity microphone and foot pedal controls

Description	Order Number
Camera bracket	**B21231**
Exhaust system, external	**B21228**
Exhaust system, re-circulating	**B21233**
Integrated dictation system with microcassette recorder	**B21235**
Integrated dictation system with standard cassette recorder	**B21234**
Task lamp (specify left or right side)	**B10011405**
Type 316 stainless steel construction	**Special Order**

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand with extruded aluminium frame and stainless steel shelf with back panel (stand is height adjustable from 71 to 107cm during installation)
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires Towel Dispenser

Accessories	Order Number
Fluorescent magnifier lamp	**B21232**
Fresh formalin dispensing carboy	**B12036**
Magnetic instrument bar	**104393**
Magnifier for task lamp	**B21200**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable tea strainer bracket and tea strainer	**B21237**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filter	**1001618**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand with extruded aluminium frame and stainless steel shelf	**10456**
Stand-alone dictation system with microcassette recorder	**C1003447**
Stand-alone dictation system with standard cassette recorder	**C1003446**
Towel bar for rolled towels	**104268**
Towel dispenser for C-fold towels	**1070214**

Thermo Scientific™ Grosslab™ Junior Workstation

Space saving stand-alone pathology workstation

Features

- Rapid positive drainage
- Stainless steel construction
- Quick, easy installation
- Abundant fluorescent light is directed to the work surface
- Three exhaust ventilation options: Re-circulating, external exhaust or remote exhaust
- Backdraft design for efficient, quiet fume removal
- Noise levels measure less than 65 decibels
- Appliances plug into the unit for convenient use
- Two IEC 320 power entry modules and two point-of-use power cords require facility receptacles with 15 amp circuits for each power cord
- Two industrial-grade flexible hoses with 19mm female hose fittings connect to cold and hot water supply lines
- Reinforced flexible hose connects to facility drain line
- 110-120V models use 15 amps including the two hospital grade duplex earthing fault circuit interrupter receptacles
- 220-240V models use 15 amps including the four IEC 320 receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

Re-circulating: 199 x 122 x 71cm

External: 217 x 122 x 71cm

Remote: 217 x 122 x 71cm

Work Surface Height: 91cm

Sink (L x W x D): 36 x 30.5 x 25cm

Weight: Uncrated - 227kg; Crated - 272kg

Includes†

Remote exhaust, louvred backdraft, sink, cold/hot water tap with manual controls, hand spray combined with cold/hot water tap, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, two 13mm industrial-grade flexible hoses for connection to cold and hot water supply lines, reinforced flexible hose, 38mm I.D. for connection to facility drain line.

† Contents, packaging, and quantities of inclusions are subject to change without prior notice

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9600001**
Left Hand	**9600002**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9600004**
Left Hand	**9600005**

Factory Installed Options

Integrated dictation systems include a proximity microphone and foot pedal controls

Description	Order Number
Camera bracket	B21125
Disposal, ½hp	B21111
Disposal, ¾hp (not rated for continuous use)	B21112
Exhaust system, external	B21238
Exhaust system, re-circulating	B21239
Foot pedal controls for cold/hot water tap	B21240
Foot pedal controls for cold/hot water tap and optional disposal	B21241
Integrated dictation system with microcassette recorder	B21243
Integrated dictation system with standard cassette recorder	B21242
Task lamp (specify left or right side)	B1001405
Type 316 stainless steel construction	Special Order

Accessories	Order Number
Fluorescent magnifier lamp	B21232
Fresh formalin dispensing carboy	B12036
Magnetic instrument bar	104393
Magnifier for task lamp	B21200
Movable dictation recorder rack	10629
Movable requisition rack	105417
Movable tea strainer bracket and tea strainer	B21237
Photographic blue polyethylene dissecting board	B36115
Replacement filter	1001618
Splash shield on flexible arm (requires drilling for installation)	B1003279
Stand with extruded aluminium frame and stainless steel shelf	10456
Stand-alone dictation system with microcassette recorder	C1003447
Stand-alone dictation system with standard cassette recorder	C1003446
Towel bar for rolled towels	104268
Towel dispenser for C-fold towels	1070214

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires Towel Dispenser

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Thermo Scientific Grossing Station Accessory Chart

The easy way to compare Thermo Scientific Grossing Station features side by side

1. Gross-Star Pathology Workstation
2. Gross-Star Pathology Work Bench
3. Grosslab Senior Pathology Workstation
4. Grosslab Junior Bench Top Workstation
5. Grosslab Junior Stand-Alone Workstation

I = Included with Product A = Available Accessory	1	2	3	4	5
½hp Disposal with Rocker Switch	A	A	A		A
¾hp Disposal with Rocker Switch	A	A	A		A
36 x 30.5 x 15cm Sink			I		
36 x 30.5 x 25cm Sink					I
41 x 20cm Adjustable Lower Shelf	I				
41 x 36 x 19cm Sink	I	I			
15 x 46 x 10cm Sink Centred on Lower Shelf				I	
Additional 41 x 20cm Adjustable Lower Shelf	A				
Perforated Backdraft Ventilation (no downdraft)	A	A			
Built-in table rinse with manual control			I		
Camera bracket	A		A	A	A
Camera Bracket Adapter (for use with Hood Assembly)	A				
Centimetre ruler (on front lip of table top)	I	I	I	I	I
Cold Water Tap with Rocker Switch for User Choice of Proximity Sensing Control or Manual Control				I	
Cold/Hot Water Tap	I	I	I		I
Downdraft ventilation	I	I			
Elevating Height (user-adjustable table top height from 71 - 107cm)			A		
Elevating Height (user-adjustable table top height from 84 - 104)	A	A			
External Exhaust with Integral Blower (via facility duct; no filters; replaces Remote Exhaust on basic unit)	A		A	A	A
Fixed Height (table top height from 85 - 116cm, to be specified by customer)			I		
Fixed Height (table top height from 84 - 104cm, to be specified by customer)	I	I			
Fixed Table Top Height of 91cm					I
Fixed lower shelf			I	I	I
Fixed upper shelf	I		I	I	I
Fluorescent light	I		I	I	I
Fluorescent Magnifier Lamp				A	A
Foot-Pedal Controls for Cold/Hot Water Tap	A	A	A		A
Foot-pedal control for optional disposal			A		A
Foot-Pedal Control for Table Rinse			A		
Fresh Formalin Dispensing Carboy	A		A	A	A
Glove Dispenser	I				
Hand spray			I		
Hand spray combined with cold/hot water tap					I
De-luxe hand spray	I	I		I	
Hood Assembly	A				

I = Included with Product A = Available Accessory	1	2	3	4	5
Louvred backdraft ventilation			I	I	I
Magnetic instrument bar	A	A	A	A	A
Magnifier for Task Lamp	A	A	A	A	A
Magnifier on Flexible Arm with Mounting Bracket	A	A	A	A	A
Manifold rinse with manual control	I	I			
Movable dictation recorder rack	A		A	A	A
Movable requisition rack	A		A	A	A
Movable Tea Strainer Bracket and Tea Strainer (for use with water tap)				A	A
Photographic Blue Polyethylene Dissecting Board	A	A	A	A	A
Point-of-use electrical receptacle(s)	I	I	I	I	I
Programmable Microprocessor for Date, Time and Filter Replacement Alarm			A	I	I
Proximity Sensing Controls for Cold/Hot Water Tap, Table Rinse and optional Disposal (no foot pedal controls)			A		
Re-circulating Exhaust with Set of Filters and Integral Blower (replaces Remote Exhaust on basic unit)	A		A	A	A
Remote Exhaust (via facility duct and blower provided by others; no filters)	I	I	I	I	I
Removable sink	I	I			
Retractable Acrylic Side Splashes			I		
Shelf for MicroWriterq Cassette Labeller	A	A	A	A	A
Splash Shield on Flexible Arm	A	A	A	A	A
Stand with extruded aluminium frame and stainless steel Shelf with Back Panel (so that bench top unit can be used as a stand-alone workstation; height adjustable from 71 - 107cm during unit installation)				A	
Integrated Dictation System with Standard Cassette recorder, proximity microphone and foot pedal controls	A		A	A	A
Integrated Dictation System with Microcassette Recorder, Proximity Microphone and Foot Pedal Controls	A		A	A	A
Stand-Alone Dictation System with Standard Cassette Recorder, Hand-held Microphone and Power Supply	A	A	A	A	A
Stand-alone dictation system with microcassette recorder, microphone and power supply	A	A	A	A	A
Task Lamp (halogen; quantity of 1 or 2 to be specified by customer; if quantity is 1, location on left or right side of unit to be specified by customer)	A	A	A	A	A
Tea Strainer Tap with Manual Controls, Tea Strainer Bracket and Tea Strainer			A		
Thin Monitor/Keyboard Brackets	A		A		
Towel Dispenser for C-fold Towels	A		A	A	A
Type 304 stainless steel construction	I	I		I	I
Type 304 stainless steel table top and panels; Extruded aluminium frame			I		
Type 316 stainless steel construction (special order)	A	A		A	A
Type 316 stainless steel table top and panels; Extruded Aluminium frame (special order)			A		
Ventilated base cabinet	I	I			
Ventilated waste bin (location on left or right side of unit to be specified by customer)	A	A	A		
Waste formalin collection system	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms and Fresh Formalin Dispensing System with Foot Pedal Control and Low Level Audible and Visual Alarms	A	A	A		

Thermo Scientific Bench Top Fume Expeller

- Low profile, efficient unit with up to 12 dual-speed fans
- Units are portable and can be moved where needed
- Each fan is rated at 0.034m/s³ in free air
- Dual 110-120/220-240V switch on back of unit
- Stainless steel construction
- Replace filter from top of unit
- Can be attached to facility's duct work for outside venting
- 71cm re-circulating model includes one charcoal filter
- 112cm re-circulating unit includes two charcoal filters
- 152cm re-circulating unit includes three charcoal filters

Physical Specifications

Dimensions (H x W x D) 15 x 71 or 112 or 152 x 16.5cm

Weight:

71cm Unit: 19kg

112cm Unit: 29.5kg

152cm Unit: 45kg

Power Requirements (each blower):

Dual Voltage 110-120V or 220-240V, 50/60Hz, 1Ph

Includes

Charcoal filters (281116)

Description	Order Number
Re-circulating	
15 x 71cm	**281128**
15 x 112cm	**281144**
16.5 x 152cm	**281160**
Ducted	
15 x 71cm	**2811428**
15 x 112cm	**2811444**
16.5 x 152cm	**2811460**

Accessories	Order number
Charcoal filters (Re-circulating units only)	**281116**
Formaldehyde-neutralising filters (potassium permanganate)	**860014**

Thermo Scientific Filter Guide

Guide to replacement filters for Thermo Scientific pathology and fume control products

Use with	Size	Qty.	Order Number
Charcoal filters			
Hyperclean™ 2	6.7 x 27.9 x 27.9cm	ea.	**9990615**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990610**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	6/pk.	**7411258**
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 3.8cm	ea.	**2801**
Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**281116**
Fine Particle Filters			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990611**
Formaldehyde Neutralising Filters (Potassium Permanganate)			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990612**
Grosslab™ V Series 8600, Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**860014**
Formaldehyde Neutralising (Potassium Permanganate) Filters/Fine Particle Filter Packs			
Grosslab Senior Series 8700 and 9700 + Gross-Star	42.7 x 28.6 x 5.1cm	1 set	**9990850**
Grosslab Junior Series 9600	48.3 x 19.7 x 5.7cm	1 set	**1001618**
Pre-filter Cartridges			
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 1.3cm	ea.	**2808**

Charcoal Filter Effectiveness Guide

High Capacity | **Satisfactory** | **Not Highly Absorbed** | **Low Capacity**

- Acetaldehyde
- Acetic acid
- Acetic anhydride
- Acetone
- Acetylene
- Acrolein
- Acrylic acid
- Acrylonitrile
- Amines
- Ammonia
- Amyl acetate
- Amyl alcohol
- Amyl ether
- Anaesthetics
- Aniline
- Antiseptics
- Benzene
- Bleaching solutions
- Borane
- Bromine
- Butadiene
- Butane
- Butanone
- Butyl acetate
- Butyl alcohol
- Butyl cellosolve
- Butyl ether
- Butyne
- Butylaldehyde
- Butyric acid
- Camphor
- Cancer odour
- Caprylic acid
- Carbolic acid
- Carbon disulphide
- Carbon dioxide
- Carbon monoxide
- Carbon tetrachloride
- Cellosolve
- Cellosolve acetate
- Charred material
- Chlorine
- Chlorobenzene
- Chlorobutadiene
- Chloroform
- Chloronitropropane
- Chloropicrin
- Cigarette smoke odour
- Cleaning compounds
- Combustive odours
- Corrosive gasses
- Creosote
- Crotonaldehyde
- Cyclohexane
- Cyclohexanol
- Cyclohexanone
- Cyclohexene
- Decane
- Dibromoethane
- Dichlorobenzene
- Dhlorodifluoromethane
- Dichloroethane
- Dichloromonofluoromethane
- Dichloronitroethane
- Dichloropropane
- Dichlorotetrafluoroethane
- Diethylamine
- Diethyl ketone
- Dimethylaniline
- Dimethylsulphate
- Dioxane
- Dipropyl ketone
- Disinfectants
- Embalming odours
- Ethane
- Ethyl acetate
- Ethyl acrylate
- Ethyl alcohol
- Ethyl amine
- Ethyl benzene
- Ethyl bromide
- Ethyl chloride
- Ethyl formate
- Formaldehyde
- Glutaraldehyde
- Hydrogen bromide
- Hydrogen chloride
- Hydrogen cyanide
- Hydrogen fluoride
- Hydrogen iodide
- Hydrogen selenide
- Hydrogen sulphide
- Indole
- Inorganic chemicals
- Iodine
- Iodoform
- Isophorone
- Isoprene
- Isopropyl acetate
- Isopropyl alcohol
- Isopropyl ether
- Kerosene
- Lactic acid
- Menthol
- Mercaptans
- Mesityl oxide
- Methane
- Methyl acetate
- Methyl acrylate
- Methyl alcohol
- Methyl bromide
- Methyl butyl ketone
- Methyl cellosolve
- Methyl cellosolve acetate
- Methyl chloride
- Methyl chloroform
- Methyl ether
- Methyl ether ketone
- Methyl formate
- Methyl isobutyl ketone
- Methyl mercaptan
- Methylcyclohexane
- Methylcyclohexanol
- Methocyclohexanone
- Methylene chloride
- Mildew
- Monochlorobenzene
- Monofluorotrichloromethane
- Naphtha
- Naphthane nicotine
- Nitric acid
- Nitro benzenes
- Nitroethane
- Nitrogen dioxide
- Nitroglycerine
- Nitromethane
- Nitropropane
- Nitrotoluene
- Nonane
- Octalene
- Octane
- Organic chemicals
- Osmium tetroxide
- Ozone
- Palmitic acid
- Paradichlorobenzene
- Pentane
- Pentanone
- Pentylene
- Pentyne
- Perchloroethylene
- Phenol
- Phosgene
- Plastics
- Propane
- Propionaldehyde
- Propionic acid
- Propyl acetate
- Propyl alcohol
- Propyl chloride
- Propyl ether
- Propyl mercaptan
- Propylene
- Propyne
- Putrescine
- Pyridine
- Resins
- Skatole
- Solvents
- Stoddard solvent
- Styrene monomer
- Sulphur dioxide
- Sulphur trioxide
- Tetrachloroethane
- Tetrachloroethylene
- Tobacco/smoke odour
- Toluene
- Toluidine
- Trichloroethylene
- Trichloroethane
- Turpentine
- Urea
- Valeric acid
- Valericaldehyde
- Vinyl chloride
- Volatile materials
- Xylene

Thermo Scientific Immunohistochemistry

Solutions you can depend on

Accurate and reproducible Immunohistochemistry (IHC) is vitally important in today's clinical and research landscape. Whether you perform research with precious samples or a patient awaits your assessment, Thermo Scientific IHC solutions deliver the high quality results you require and are surprisingly affordable.

With our scalable offerings laboratories of any size can now perform their own IHC.

So whether you stain a couple of slides by hand or manage a laboratory staining hundreds a day, you can count on us to support you.

Pathologists - Enhance your ability to do what is best for the patient

Standardised and precise antigen retrieval, combined with proven and reliable staining units ensures your requested tests are stained according to your high quality standards.

Technicians - Gain the freedom to make better use of your time

Robust, reliable automation of processes allows you to spend your time handling results rather than diagnosing instrumentation problems; whilst barcoding of slides and reagents simplifies the instrument loading and programming process. Leverage parallel processing of HIER and staining, while using a single slide rack.

Lab Managers - Enjoy the capability to configure instrumentation according to your needs

Standardisation of processes via the Thermo Scientific™ PT Module™ and Thermo Scientific™ Autostainer™ ensure consistent, high-quality results. Three models allow for any instrument configuration to best accommodate average slide volumes and peaks throughout the day. The open platform enables you to take full advantage of flexible protocol design, and consider economically attractive reagent packages.

Purchasing and Administration - Save money and save lives

Get the best possible value for money by working directly with the manufacturer of both the instruments and reagents; and benefit from the simplicity of getting any solutions for the pathology laboratory from a single source.

Turn the page to find out more ...

Thermo Scientific Autostainer Series

The Industry Standard in IHC Automation

With a proven track record for consistency and reliability, and more than 5,000 units placed, the Thermo Scientific™ Autostainer™ platform is the most widely-used IHC instrument in the world.

Features

- Dual barcoding ensures that each slide receives the correct reagent
- Open system allows the user to configure the reagents to meet their specific needs, whilst maintaining control of the costs
- Rapid turnaround time gets your specimens processed and your patients diagnosed faster
- Two models allow any combination for throughput and / or turn-around time

Autostainer 360

- This most compact variant is ideal for laboratories where speed and continuous workflow are imperative

Autostainer 480S

- The industry standard in automated IHC now has an even smaller footprint, allowing you to save an extra 12cm of laboratory space

Includes

Autostainer PC, EMC Statement, install Instructions, certificate of compliance, documentation CD, buffer in-line tubing, DI water in-line tubing, hazardous waste tubing assembly, non-hazardous waste tubing assembly, 10ℓ bottles (4/pk.), reagent vial 15ml (100/pk.), bottle, reagent barcode label kit, flap label kit, reagent rack, label printer (2/pk.), slide rack, leveller (2/pk.), computer data cable (8ft), barcode cable, Tween 20, DAB Away and IVD Letter.

Physical Specifications

Autostainer 360

Max. Capacity: 36 Slides; 40 reagents

Dimensions (W, H, D): 76 x 58 x 67 cm (not inc. PC and Printers)

Weight: 55 kg

Power Requirements: 100 - 120V or 220-240V, 50 / 60Hz; 2A max. at 240V

Autostainer 480S

Max. Capacity: 48 Slides; 50 reagents

Dimensions (WxHxD): 91 x 58 x 67 cm (not inc. PC and Printers)

Weight: 65 kg

Power Requirements: 100 - 120V or 220 - 240V; 50/60Hz; 2A max. at 240V

Description	Order Number
Autostainer 360	
220 - 240V	**A80500003**
100 - 120V	**A80500004**
Autostainer 480S	
220 - 240V	**A80500007**
100 - 120V	**A80500008**

Thermo Scientific PT Module

The Reference in Antigen Retrieval

Standardisation in any laboratory is crucial to obtaining high quality and consistent IHC staining. To standardise the manual steps associated with the pre-treatment of slides, we have introduced the Thermo Scientific™ PT Module™.

Features

- Designed to simultaneously perform dewaxing and epitope recovery on slides prior to immunostaining
- Autostainer slide racks fit directly into the PT Module
- Integrated computer with touch screen for programming standardised pre-treatment programs
- The user can also modify the time and temperature settings to further optimise the results
- The PT Module has dual reaction baths so that two individual procedures, each with 24 slides, may be run independently
- Thermo Scientific's proprietary epitope recovery solutions provide for safe, solvent-free dewaxing and improved environmental conditions
- Delayed start option allows overnight processing so that the slides are ready and waiting when you start in the morning

Physical Specifications

Dimensions (W, H, D): 27 x 26 x 65 cm

Weight: 15 kg (not inc. Buffer)

Power Requirements: 100 - 120V or 220 - 240 Vac, 50/60Hz; 5A max. at 240V

Includes

Stainless steel buffer tank (2/pk.), buffer tank cover (2/pk.), serial cable, buffer kit, IVD letter, operator information pack, EMC statement.

Description	Order Number
220 - 240V	A80400011
100 - 120V	A80400012

Thermo Scientific UltraVision Quanto

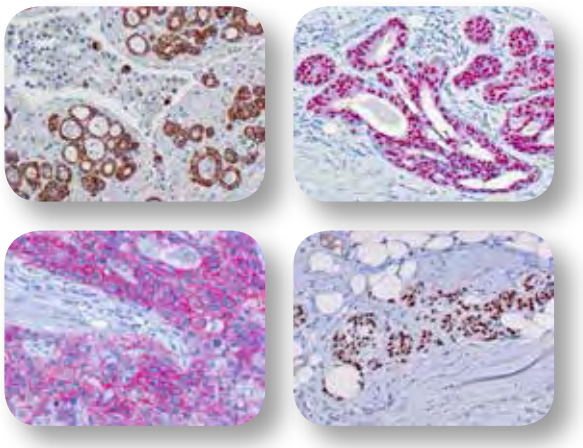
Designed to meet the highest expectations in clinical pathology

Thermo Scientific™ UltraVision Quanto™ represents the decade's quantum leap in polymeric labelling. Using innovative micropolymer technology, UltraVision Quanto provides speed and economy while achieving unique sensitivity and enhanced reactivity with challenging nuclear markers as well as excellent cytoplasmic and membrane labelling.

- Signal-to-noise characteristics include elimination of background reactivity associated with endogenous avidin and biotin while enhancing detection of antigens expressed at low levels
- The ultimate IHC detection system for high throughput, saving costs and enhancing sensitivity to achieve superior and consistent staining
- Amplifies the signal with both mouse and rabbit primary antibodies

Description	Qty.	Order Number
UltraVision Quanto (HRP*)		
Ultra-V-Block, Amplifier, HRP-Polymer	60 ml	**TL-060-QHL**
Ultra-V-Block, Amplifier, HRP-Polymer	125 ml	**TL-125-QHL**
UltraVision Quanto (HRP DAB)		
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	15 ml	**TL-015-QHD**
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	60 ml	**TL-060-QHD**
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	125 ml	**TL-125-QHD**
UltraVision Quanto (AP)**		
Ultra-V-Block, Amplifier, AP-Polymer	60 ml	**TL-060-QAL**
Ultra-V-Block, Amplifier, AP-Polymer	125 ml	**TL-125-QAL**

** HRP - Horse Radish Peroxidase; ** AP - Alkaline Phosphatase*



Thermo Scientific Chromogens

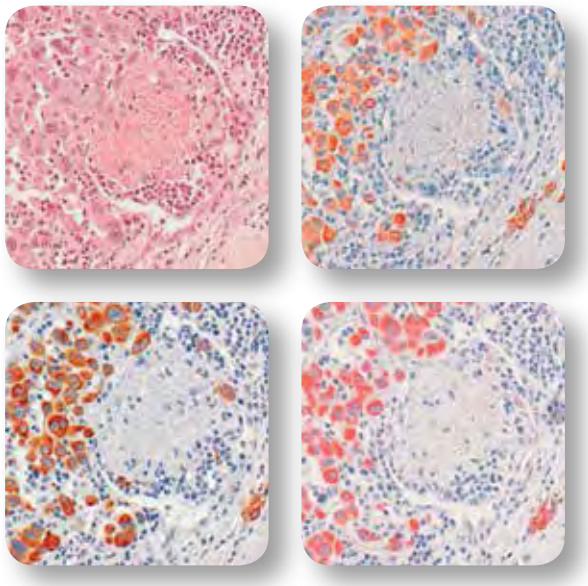
- Strong staining contrast for brilliant results
- Chromogens combine ease of use with clear staining for maximum contrast

Description	Qty.	Order Number
AEC (ready to use)		
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	60 ml	**TA-060-SA**
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	125 ml	**TA-125-SA**
DAB Quanto (2 components)		
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	60 ml	**TA-060-QHDX**
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	125 ml	**TA-125-QHDX**
LFR* (2 components)		
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	60 ml	**TA-060-AL**
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	125 ml	**TA-125-AL**

** LFR - Liquid Fast Red*

For a complete list of IHC products call 0800 018 9396 and request the Thermo Scientific IHC Catalogue

Thermo Scientific Rabbit Monoclonal Antibodies



Rabbit monoclonal antibodies combine the benefits of outstanding antigen detection in the rabbit immune system with the specificity and consistency of monoclonal antibodies, making them among the best antibodies around.

It is now known that antibodies produced in rabbits have a greater affinity than antibodies taken from mice. New cloning technologies allow the production of highly specific antibodies from rabbits which have up to 10 times greater affinity than comparable mouse antibodies.

At the same time, the rabbit immune system generates antibody diversity and optimises the affinity of the antibodies generated using mechanisms which are considerably more efficient than in mice or other rodents. This means that many antigens which are not immunogen in mice or rats do trigger a response in rabbits.

Research has shown that rabbit monoclonal antibodies demonstrate higher levels of sensitivity in combination with lower unspecific dyes compared to comparable monoclonal mouse antibodies.

- Very high specificity and affinity
- Normally more dilutable than comparable monoclonal mouse antibodies
- Considerably improved detection of antigens in mice and rats
- Improved reproducibility, even with fluctuations in fixing and pretreatment, more reliable epitope detection
- Easier to establish dual colours

Description		Order Number
ALK	SP8	**RM-9108**
Cadherin E	EP700Y	**RM-2100**
Calcitonin	SP17	**RM-9117**
Calponin	EP798Y	**RM-2102**
Calretinin	SP13	**RM-9113**
Catenin	E247	**RM-2101**
CD3	SP7	**RM-9107**
CD3	EP449E	**RM-2109**
CD5	SP19	**RM-9119**
CD8	SP16	**RM-9116**
CD23	SP23	**RM-9123**
CD79	SP18	**RM-9118**
CDX2	EPR2764Y	**RM-2116**
Chromogranin A	SP12	**RM-9112**
COX2	SP21	**RM-9121**
Cyclin D1	SP4	**RM-9104**
Cyclin D1	EPR2241IHC	**RM-2113**
Cytokeratin 5	EP1601Y	**RM-2106**
Cytokeratin 8	EP1628Y	**RM-2107**
Cytokeratin 18	E431-1	**RM-2108**
DOG1	SP31	**RM-9132**
EGFR	EP38Y	**RM-2111**
Oestrogen	SP1	**RM-9101**
HER-2/new/c-erbB-2	SP3	**RM-9103**
HER-2/new/c-erbB-2	EP1045Y	**RM-2112**
Ki-67	SP6	**RM-9106**
p53	Y5	**RM-2103**
p53	SP5	**RM-9105**
PAX-5	SP34	**RM-9133**
PLAP	SP15	**RM-9115**
P504s	13H4	**RM-9130**
PSA	EP1588Y	**RM-2104**
PSMA	SP29	**RM-9131**
Progesterone	SP2	**RM-9102**
Synaptophysin	SP11	**RM-9111**
VEGF	SP28	**RM-9128**
Vimentin	SP20	**RM-9120**

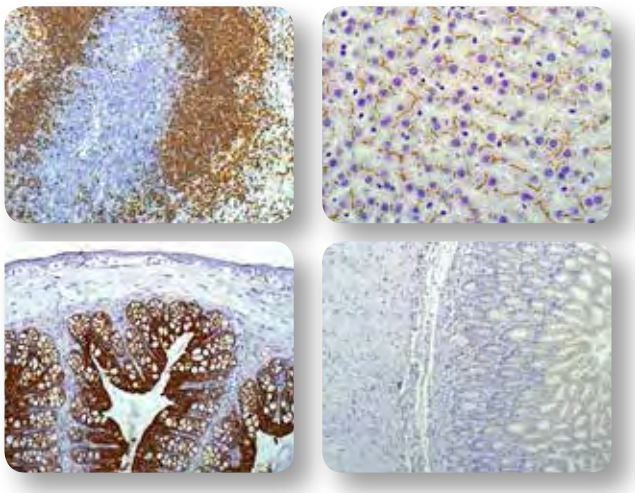
For a complete list of IHC products call 0800 018 9396 and request the Thermo Scientific IHC Catalogue

Thermo Scientific Mouse On Mouse HRP Detection System

Improve staining, reduce background and minimize turnaround time

Historically immunohistochemistry (IHC) staining with mouse antibodies on mouse tissue has been a challenge. The results were compromised by high levels of undesirable background or weak signal from interactions between the detection system and mouse tissues. The Thermo Scientific™ UltraVision Quanto™ Mouse on Mouse HRP Detection System eliminates these challenges, ensuring laboratories can produce optimal results routinely.

- Strong Staining - Antibodies are easier to optimize and interpret with the UltraVision Quanto Mouse on Mouse Detection System. The images below compare optimized results with a mouse antibody on mouse colon with the UltraVision Quanto Mouse on Mouse Detection System and a competitive system.
- Minimising Background - The UltraVision Quanto Mouse on Mouse Detection System significantly reduces the background seen with many other systems. The images below compare the optimized negative controls (antibody diluent only) of the UltraVision Quanto Mouse on Mouse Detection System and a competitive system.
- Simple Procedure - The UltraVision Quanto Mouse on Mouse Detection System procedure is simple with only five detection system steps with ready to use reagents. Results are possible in under two hours, nearly half the time of competitive systems.



Description	Volume	Order Number
Quanto Mouse On Mouse	15ml	**TL-015-QHDM**
Quanto Mouse On Mouse	60ml	**TL-060-QHDM**
Quanto Mouse On Mouse	125ml	**TL-125-QHDM**
DAB Quanto	60ml	**TA-060-QHDX**
Antibody Diluent OP Quanto	125ml	**TA-125-ADQ**

Suggested Primary Antibodies

Mouse antibodies from any source are compatible with the UltraVision Quanto Mouse on Mouse Detection System. Below are a few antibodies and suggested protocols that you may find useful for your research.

Antibody	Clone	Cat. #	Antigen Retrieval	Recommended Dilution	Incubation Time
CD4	4B12	MS-1528	Citrate 20 minutes 98c	1:10	30 min
CD79a	JCB117	MS-1171	Citrate 20 minutes 98c	1:50	20 min
CD8	C8/144B	MS-457	Citrate 20 minutes 98c	1:50	20 min
Cdk1	A17.1.1	MS-110	Citrate 20 minutes 98c	1:50	20 min
Cdk2	2B6	MS-459	EDTA 20 minutes 98c	1:25	60 min
CK7	OV-TL 12/30	MS-1352	EDTA 20 minutes 98c	1:200	20 min
Cytochrome	7H8.2C12	MS-1192	Citrate 20 minutes 98c	1:200	20 min
Hepatocyte	OCH1E5	MS-1810	Citrate 20 minutes 98c	1:40	20 min
P300/CBP	NM11	MS-586	Citrate 20 minutes 98c	1:50	20 min
PCNA	PC10	MS-106	Citrate 20 minutes 98c	1:200	20 min
TFF1	8G7G3/1	MS-699	Citrate 20 minutes 98c	1:50	20 min
Villin	CWWB1	MS-1499	Citrate 20 minutes 98c	1:50	20 min

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Whatman ..... *General Electric Co.*

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The following trademarks are known by an alternative name for registration purposes

Trademarked Name	Registered Name
Thermo Scientific Excelsior AS Tissue Processor	Thermo Scientific Excelsior AS
Thermo Scientific Citadel 2000 Carousel Tissue Processor	Thermo Scientific Citadel 2000, Carousel Tissue Processor
Thermo Scientific HistoStar Embedding Center	Thermo Scientific HistoStar
Thermo Scientific CryoStar NX70 Cryostat	Thermo Scientific CryoStar NX70
Thermo Scientific CryoStar NX50 Cryostat	Thermo Scientific CryoStar NX50
Thermo Scientific HM525 NX Cryostat	Thermo Scientific HM525 NX
Thermo Scientific Cryotome FSE Cryostat	Thermo Scientific Cryotome FSE
Thermo Scientific HM 355S Rotary Microtome	Thermo Scientific Rotary Microtome HM355S
Thermo Scientific HM 340E Rotary Microtome	Thermo Scientific Rotary Microtome HM340E
Thermo Scientific HM 325 Rotary Microtome	Thermo Scientific Rotary Microtome HM325
Thermo Scientific HM 450 Sliding Microtome	Thermo Scientific Sliding Microtome HM450
Thermo Scientific HM 430 Sliding Microtome	Thermo Scientific Sliding Microtome HM430
Thermo Scientific HM 650V Vibrating Microtome	Thermo Scientific Vibrating Microtome HM650V
Thermo Scientific Gemini AS Automated Slide Stainer	Thermo Scientific Gemini AS
Thermo Scientific Varistain 24-4 Slide Stainer	Thermo Scientific Varistain 24-4
Thermo Scientific Linistat Linear Stainer	Thermo Scientific Linistat
Thermo Scientific CTM6 Coverslipper	Thermo Scientific CTM6
Thermo Scientific ClearVue Coverslipper	Thermo Scientific ClearVue

Alphabetical Index

A

Accessories for Storage Cabinets 63
Acetone (ACS) 111
Acid-Fast Bacillus Stain 106
Alcian Blue/PAS 103
Amyloid Stain 102
Angus-Ranieri Slide Rack 93
Artline Markers 92
Autostainer Series 151

B

Bench Top Fume Expeller 148
Biopsy Bags 82
Biopsy Cassettes 68
Blade Removal Instrument 86
Blockstore Cabinet 60
Bluing Reagent 97, 99
Bouin's Fluid 75
Buffered Wright Stain 106
Buffered Wright-Giemsa Stain 107

C

Cal-Rite 74
Cardboard Slide Folders 67
Cassette Insert Paper 83
Cassette Storage Box 64
Cassettes 68
Cell Preparation Systems 131
Cell-Fixx Spray Fixative 130
Cellsafe+ 83
Charcoal Filter Effectiveness Guide 149
Chromaview Special Stain Kits 102
Circular Coverslips 114
Citadel 2000 Carousel Tissue Processor 14
Citrus Clearing Solvent 77
Clarifier 1, 2 98
Clearing Agents 77
Clear-Rite 3 77
ClearVue Coverslipper 58
ClearVue Mountants 116
Colorfrost Plus Slides 72
Colorfrost Slides 72
Colourstack Filing Cabinets 62
Columbia Jar 95
Consul No-Stick Coverslips 113
Consul-Mount 116
Cool Cut 35
Cool Cut and Section Transfer System 35
Coplin Staining Jar 95
Cork Boards 88
Cork Disks 88
Cork Sheets 88
Count Down/Up Timer 95
Coverslip Staining Racks 94
Coverslipping Forceps 114
Coverslipping Mountants 115
Coverslips 113
Cryochrome 119
Cryomatrix 119
CryoStar NX50 Cryostat 26
CryoStar NX70 Cryostat 24
Cryostat Blade Holders 31
Cryostat Consumables 117
Cryotome FSE Cryostat 30
CTM6 Automated Glass Coverslipper 57
Cytoblock Cell Block Preparation System 131
Cytoclip Stainless Steel Slide Clip 126
Cytocool II 117
Cytofunnels 125
Cytology Consumables 130
Cytology Stains 129
CytoRich Red Collection Fluid 130
Cytoseal 60 116
Cytoseal XYL 116
Cytoslides 127
Cytospin 4 Applications 122
Cytospin 4 Cytocentrifuge 120
Cytospin Collection Fluid 130
Cyto-Stain 128

D

Decalcifying Solution 78
Dehydrant 100, 95, 80, 70 77
Dehydrants 77
Digital Paraffin Section Flotation Bath 19
Disposable Autopsy Knives 87
Disposable Base Moulds 81
Disposable Blades 50, 84
Disposable Dissecting Boards 88
Disposable Dissecting Pins 88
Dissection Scalpels and Blades 86
Double Cytofunnel 125
Double Cytoslides 127
DPX 115
Drawer Dividers 64
Dry Dyes & Dry Chemicals 112
Dry Powder Stains 111
Dyes and High Purity Chemicals 111

E

E Disposable Blade Holders 46
EA-50 Stain 129
EA-65 Stain 129
EC Disposable Blade Holder 31
EC70 Disposable Blade Holder 31
Elastic Stain 102
Embedding Cassettes 68
Embryo Dishes 95
Eosin-Y 97, 100
Eosin-Y Alcoholic, Eosin-Y with Phloxine 98
ER Disposable Blade Holders 46
Ethyl Alcohol 111
Excelsior AS Tissue Processor 10
EZ Cytofunnel Sample Chambers 123
EZ Double Cytofunnel 123
EZ Megafunnel w/ Cap and Slide 124
EZ Single Cytofunnel Bench Stand 124
EZ Single Cytofunnel w/ Brown Filter Cards 123
EZ Single Cytofunnel w/ White Filter Cards 123
EZ-Mount 115

F

Filter Guide 148
Fine Cutting Tool 87
Finesse 325 Manual Microtome 42
Finesse ME+ Electronic Microtome 38
Fixation Products 74
Fix-Rite 2 128
Flex 100, 95, 80 77
Foam Dividers 64
Formaldehyde 37% (ACS) 111
Formal-Fixx 76
Frosted Slides 72
Frozen Section Staining Kit 118

G

Gemini AS Automated Slide Stainer 53
General-Purpose Coverslips 113
Giemsa Stain 106
Gill 1, 2, 3 Haematoxylin 98
Gill Haematoxylin 1,2,3 99
Glyo-Fixx 76
Gomori Trichrome (Blue Collagen) 105
Gomori Trichrome (Green Collagen) 105
Gram Stain 109
Gram Stain (Tissue) 102
Gram Stain Kit (Film) 109
Grossing Station Accessory Chart 146
Grosslab Junior Bench Top Workstation 142
Grosslab Junior Workstation 144
Grosslab Senior Pathology Workstation 139
Gross-Star Pathology Work Bench 137
Gross-Star Pathology Workstation 133

H

Haematology Stain Packs 108
Haematology Stains 106
Haematoxylin 1 97
Haematoxylin 2 97
Haematoxylin 7211 97
Haematoxylin 7212 97
Haematoxylin Comparison Chart 96
Harris Haematoxylin 99

Heavy-Duty Scalpel 86
Hellendahl Jar 95
High Capacity Section Dryer 18
High Capacity Wax Dispenser 18
High Profile Blades 85
High Profile Disposable Blade Holder 32
Hinged Slide Box 66
Histoclear and Histoclear II 77
HistoGel 75
Histoplast PE, IM, LP 80
HistoScreen Cassette 70
HistoStar Embedding Centre 16
HM 325 Manual Microtome 41
HM 340E Semi-Automated Microtome 40
HM 355S Automated Microtome 36
HM 430 Manual Sliding Microtome 44
HM 450 Electronic Sliding Microtome 43
HM 650V Vibrating Blade Microtome 51
HM525 NX Cryostat 28
HMS 70 Linear Stainer 56
Horizontal Slide Filing Cabinets 61
HP35 85
HP35 Ultra 85

I

Ice-It 117
Immersion Oil 110
Immu-Mount 115
Immuno Slide Staining Trays 94
Instant Eosin (Dry Powder) 100
Instant Haematoxylin (Dry Powder) 99
Iron Stain 102
Isopropyl Alcohol (ACS) 111

J

Jenner Stain 107

K

Kuehne Coverglass Forceps 114
Kwik-Diff Stains 108

L

Lab Support Products 18
Laboratory Marker Pens 92
LabWriter Software for SlideMate 5
LambWax 80
Large Coverslips 114
Large Glass Trough w/ Glass Lid 91
Large Glass Trough w/ Stainless Steel Lid 92
Lens Tissue Booklets 114
Linistat Linear Stainer 56
Low Profile Blades 84
Low Profile Disposable Blade Holder 31, 32

M

M-1 Embedding Matrix 119
Mark-It Tissue Marking Dyes 118
Mask Cytoslides 127
Masson Trichrome 104
May-Grunwald Stain 107
MB22 Premier 85
Metal Block and Slide Storage 60
Methyl Alcohol (ACS) 111
Methyl Green-Pyronin Y 102
Microbiology Reagents 109
Microbiology Stains 109
Microscope Slides 72
Microtome Accessories 50
Microtome Blade Holders 45
Microtome Range and Selection Guide 34
Microtome Specimen Clamps 48
Mini Hot Plate 20
Modified Grocott's Methenamine 103
Modified Harris Haematoxylin 98
Modified Mayer's Haematoxylin 98
Moulds and Sprays 81
Mounting Medium 116
Mouse On Mouse HRP Detection System 155
Mucicarmine 105
Mucolexx 130
Multi-Spot Slides 73
MX35 Premier 84
MX35 Ultra 84

N

Neg-50 Frozen Section Medium 117
Netmon Service 12
Neutral Buffered Formalin 111
Neutral Buffered Formalin (10%) 74
Nickel-Plated Scalpel Blade Handle 86
Non-Standard Slides 73
Nu-Clear 99

O

Octospot Starter Packs 131
OG-6 Stain 129

P

Papanicolaou Stain EAs 128
Papanicolaou Stain OGs 128
PapSpin Gynaecological Test 132
Paraffin 11, 79, 80
ParaPel 81
Para-Release Spray 81
ParaTrimmer 19
Peel-A-Way Disposable Embedding Moulds 81
Pen-Fix 75
Periodic Acid Schiff Kit (PAS) 106
Periodic Acid-Schiff (PAS) 103
Perspex Slide Rack 94
Phosphate Buffer (6.6, 7.2) 108
Plain Slides 73
Plated Scalpel Blade Handle 86
PolarHeat Sheets 15
Polyacetal Troughs 92
Polysine Slides 72
Portable Staining Kits 110
Post Mortem Board 88
Post Mortem Board Table 88
Postal Slide Boxes 66
PrintMate 150 Cassette Printer 3
Processing Reagents 78
PT Module 152

R

Rabbit Monoclonal Antibodies 154
Ralph Glass Blade Holder 47
Rapid Romanowsky Staining Kit 108
Rapid-Chrome Section Staining Kit 110
Rapid-Chrome Kwik-Diff Staining Kit 110
Rapid-Chrome Papanicolaou Staining Kit 110
Rapid-Fixx Formalin 75
Reagent Alcohol 78
Replacement Drawers 62
Reticulin Silver 104
Reticulocyte Stain 107

S

Scalpel Blade Handle 86
Schieferdecker Jar 95
Section Transfer System 35
Shandon Histoplast 80
Shandon Staining Reagents 99
Shandon-Mount 115
Single Cytofunnel w/ Brown Filter Card 125
Single Cytofunnel w/ White Filter Card 125
Single Cytoslides 127
Slide and Cassette Archiving and Storage 65
Slide Boxes 65, 66
Slide Filing Cabinet 61
Slide Filing Location Slips 63
Slide Filing Wallets 64
Slide Folders 65
Slide Grip 93
Slide Holder 93
Slide Labels 93
Slide Mailers 67
Slide Preparation Excell 73
Slide Racks 93
Slide Tray Box and 9-Slide Tray 66
Slide Tray Racks and Aluminium Slide Trays 67
Slide Wallet Filing Cabinet 60
SlideMate 5
Slimline Digital Hotplate 20
Slimline Wax Dispenser 18
Slimsette "Micromesh" Cassette 70
Slimsette Biopsy Cassette 70

Slimsette Tissue Cassette 70
Slotted Cassettes 69
Small Glass Trough with Glass Lid 91
Small Glass Trough with Stainless Steel Lid 91
Solid Blade Holder 47
Solid Blade Holders C 47
Solutions 105
Special Stain Kits 106
Specimen Buckets 93
Specimen Staging Solutions 33
Sponges 83
Spring Spacers 63
Staining and Fixation Fluids 128
Staining Assemblies 89
Staining Assembly 100 89
Staining Assembly 110 89
Staining Assembly 117 89
Staining Assembly 121 90
Staining Assembly 130 90
Staining Dish, Cover and Rack 90
Staining Jars 95
Staining Rack Ends and Rods 94
Staining Solutions 101
Stainless Steel Base Moulds 81
Stainless Steel Scalpel Blade Handle 86
Stains 97
Standard and Heavy-Duty Wheel Base Stand 63
Standard Blade Holder 32
Standard Coverglass Thumb Forceps 114
Standard Solid Blade Holders N 47
Steel Knife Holder 32
Steel Slide Box 64
Steiner-Steiner Silver 104
Sterile Scalpel Blade, No. 11 86
Sterile Scalpel Blade, No. 21 86
STP 120 Spin Tissue Processor 13
Stretton Young Jar 95
Super Mega Stainless Steel Base Moulds 81
SuperMega Cassettes 71
Synthetic Mountant 116

T

TBD-1 Decalcifier 78
TBD-2 Decalcifier 78
Tetrachrome Blood Stain 107
Three-Step Stain 107
Tissue Marking Dyes 112
TissueLoc Biopsy Cassette (Cassette IV) 69
TissueLoc Tissue Cassette (Cassette IV) 69
TissueWave 2 Microwave Processor 15
Top Covers 63
Top Covers, Stands and Storage Boxes 63
TPX Single Sample Chamber 126
Triangular Glass Blade Holder 47

U

UltraVision Quanto 153
Universal Blade Holder 32
Universal Solid Blade Holder 46

V

VA5 80
Varistain 24-4 Automatic Slide Stainer 55
Vertical Slide Staining Rack 93
Vytac 75

W

Watchmakers Forceps 114
Wright Stain 106
Wright-Giemsa Solution 107
Wright-Giemsa Stain 106

X

Xylene 78
Xylene Substitute 78
Xylene Substitute Mountant 115
Xylenes (ACS) 111

Z

Zinc Formal-Fixx 76
Zinc Formalin, Buffered 74

Numerical Index

100

100 89
101 89
102 89
107 95
109 89
110 89
111 89
112 89
113 ..... 89, 90
114 94
116 94
117 89
118 89
119 89
120 ..... 89, 90
121 90
122 90
123 90
130 90
131 90
132 90
143 93
145 118
146 118
147 ..... 93, 118
194 95
195 90
196 90

200

201 ..... 39, 42, 48
214 ..... 39, 42, 48
215 ..... 39, 42, 48
216 ..... 39, 42, 48
220 ..... 39, 42, 48
223 ..... 39, 42, 48

300

303 ..... 39, 48
313 ..... 39, 42, 48
318 ..... 42, 45
321 ..... 42, 45
322 ..... 42, 45

500

535 86

700

745 86

1000

1220 81
1310 119
1451 92
1606 67
1795 93
1830 81
1841 81
1910 ..... 39, 42

2000

2219 81
2300 81
2801 148
2808 148

3000

3000 108
3005 108
3010 108
3011 108
3012 108
3111 106
3121 107
3300 107
3303 107
3313 107
3323 107
3787 67

4000

4111 116
4112 116
4211 ..... 59, 116
4212 ..... 59, 116
4275H 87
4941 73

5000

5000 118
5000BK 118
5000BL 118
5000G 118
50000 118
5000R 118
5000Y 118
5001 118
5324 86
5334 86
5401 75
5402 75
5405 75
5501 74
5700 74
5701 74
5701ZF 74
5705ZF 74
5705 74
5725 74
5941 73

6000

6101 75
6201 77
6301 77
6401 77
6501 77
6502 117
6502B 117
6502G 117
6502O 117
6502P 117
6502Y 117
6506 117
6506M 117
6901 77
6941 73

7000

7111 97
7211 97
7212 97
7221 97
7231 97
7301 97
7341 97
7401 98
7402 98
7441 98
7442 98
7501G 128
7501R 128
7511 128
7941 73

8000

8101 77
8201 77
8300 11
8301 77
8301R 77
8310-16 116
8310-4 116
8312-4 116
8323 117
8325 117
8330 80
8330K 11
8331 80
8331K 11
8332 80
8332K 11
8334 80
8334K 11
8335 80
8335K 11
8336 80
8336K 11
8337 80
8337K 11
8338 80
8339 80
8340 78
8340-1 78
8452 83
8941 73

9000

9000-1 111
9000-5 111
9000-55 111
9200-1 111
9200-5 111
9200-55 111
9300-1 111
9300-5 111
9300-55 111
9400-1 111
9400-5 111
9400-55 111
9500-1 111
9500-5 111
9500-55 111
9600-1 111
9600-5 111
9600-55 111
9813 87
9814 87
9815 87
9900-1 111
9900-5 111
9900-55 111

10000

10456 ..... 143, 145
10486 141
10629 ..... 141, 143, 145
10661 141
12440S 113
12450S 113
12460S 113
19040 114

19060 114

20000

23145 118

40000

41720-T 7, 69
41721-T 7, 69
41722-T 7, 69
41723-T 7, 69
41724-T 7, 69
41725-T 7, 69
41727-T 7, 69
41728-T 7, 69
41729-T 7, 69
41730-T 7, 69
41750-T 7, 69
41751-T 7, 69
41752-T 7, 69
41753-T 7, 69
41754-T 7, 69
41755-T 7, 69
41757-T 7, 69
41758-T 7, 69
41759-T 7, 69
41760-T 7, 69
41740 81
41741 81
41742 81
41743 81
41744 81

50000

53221 86
53410 86
57211 75

70000

71204 98
71211 98
71304 98
71311 98
72411 98
72511 98
72611 98
72711 98
72804 98
75211 128
75311 128
75411 128
75504 128
75511 128
75604 128
75611 128
75704 128
75711 128
76150 128

80000

86010 105
86112 105
87003 102
87006 102
87007 103
87008 103
87009 104
87011 102
87012 105
87017 102
87018 102
87019 104
87020 105
87021 105
87023 103
87024 103
87025 104
87101 109
88000 102
88004 102
88005 102
88006 102
88007 102
88008 102
88009 102
88011 102
88012 ..... 102, 105
88013 102
88014 102
88015 102
88016 103
88017 103
88018 103
88019 104
88021 104
88022 104
88023 103
88024 ..... 103, 104
88025 ..... 103, 104
88026 ..... 103, 104
88028 ..... 104, 105
88029 ..... 104, 105
88030 105
88031 105
88033 104
88034 104
88035 104
88036 103
88037 105
88038 ..... 104, 105
88039 104
88041 103
88042 103
88043 103
88045 104
88046 104
88047 104
88048 104
88049 104
88050 104
88051 104
88052 104
88054 104
88101 ..... 102, 109
88102 ..... 102, 109
88103 ..... 102, 109
88104 ..... 102, 109
88105 109
88106 105
88107 105
88108 105
88109 109
88110 109
88111 105
88112 109
88113 109
88114 105
88116 109
89002 106
89003 106
89004 106
89010 106
89011 106
89012 106
89013 106
89014 106
89017 106
89027 107
89028 107
89029 107
89030 107
89032 108
89033 108

90000

90017 111
90022 111
90049 111

100000

104268 ..... 135, 141, 143, 145
104393 ..... 135, 138, 141, 143, 145
104404 141
105417 ..... 135, 138, 141, 143, 145
152020 ..... 25, 27
152160 ..... 43, 44
152510 51
152520 51
152530 51
160030 29
171900 57
172540 57
172550 57
172560 57
172570 57
172580 57
172590 57
172600 57
172610 57
172750 57
172760 57
172780 57
172920 57
172930 57
172940 57
173000 57
173070 57
173120 57
173140 57
173150 57
175010 48
184710 57

200000

281000 ..... 25, 27
281116 148
281128 148
281144 148
281160 148

300000

334160 29
334170 29
334180 29
334220 ..... 25, 27
334240 ..... 25, 27
350040 29
350070 29
350110 29
350150 ..... 25, 27
350270 29

400000

440400 ..... 43, 44
440410 ..... 43, 44
448070 ..... 43, 44
449980 ..... 25, 27, 29

500000

502140 ..... 43, 44
524490 29
546060 ..... 37, 40, 41, 48
546070 48
546080 ..... 41, 49
546180 ..... 37, 40, 48
546190 ..... 37, 40, 41
546200 ..... 37, 40, 41
546210 ..... 37, 40, 41

546270 ..... 37, 40, 41
556000 40
570380 ..... 25, 27, 29, 33
570390 ..... 25, 27, 29, 33
570400 ..... 25, 27, 29, 33

600000

615190 40
640280 ..... 50, 51
640380 ..... 25, 37, 40
648200 51
648210 51

700000

705200 ..... 43, 44, 45
705340 ..... 43, 44, 45
705430 ..... 43, 44, 45
705440 ..... 43, 44, 45
705460 ..... 29, 31
705470 ..... 29, 31
705490 ..... 43, 44
705500 ..... 43, 44
705630 ..... 29, 31
705800 ..... 37, 40, 41, 45
705810 ..... 37, 40, 41, 45
705820 ..... 37, 40, 41, 45
705830 ..... 37, 40, 41, 45
705840 ..... 25, 27, 31
705940 ..... 25, 27, 31
705950 ..... 25, 27, 31
715010 ..... 37, 40, 41, 48
715020 ..... 37, 40, 41, 48
715030 48
715040 ..... 37, 40, 48
715060 ..... 37, 40, 41, 49
715070 49
715080 49
715090 49
715100 ..... 37, 40, 41, 49
715200 40
715220 ..... 29, 33
715230 ..... 29, 33
715280 49
715320 ..... 37, 40, 41, 49
715360 49
715370 49
715380 49
715470 ..... 43, 49
715480 ..... 43, 49
715490 ..... 43, 44, 49
715500 ..... 44, 49
715530 ..... 25, 27
715550 35
715560 ..... 37, 40, 41, 48
715580 ..... 37, 48
715590 ..... 37, 40, 41, 49
715600 33
715610 ..... 25, 27, 33
715620 ..... 25, 27, 33
715630 33
715640 33
715690 29
715700 ..... 29, 33
715710 33
715720 33
715730 33
715740 33
715750 33
715760 33
715800 51
715810 51
715820 51
716080 ..... 44, 49
716090 ..... 44, 49
716120 48
716130 ..... 37, 40, 48
755050 51
755120 ..... 37, 40, 41, 50
755130 50
755210 ..... 37, 40, 50
760160 ..... 37, 40, 41, 50
760170 ..... 50, 51
760307 51
760320 51
770170L 51
770180L 51
771110 ..... 35, 50
771120 ..... 35, 50
771190 35
771200 ..... 35, 50

800000

806060 56
806080 56
813150 13
813160 13
860014 148

900000

902100 41
905190 40
905200 36
910010 44
910020 43
920120 51
956640 28
956641 28
956650 28
956651 28
956960 25
956970 25
956980 25
956990 25
957000 25
957010 25
957020 25
957030 25
957040 25
957050 25
957060 25
957070 25
957080 27
957090 27
957100 27
957110 27
957120 27
957130 27
957140 27
957150 27
957160 27
957170 27
957180 27
957190 27
957200 27
957210 27
957220 27
957230 27
957240 27
957250 27
957260 27
957270 27
970010 57

1000000

1001003 ..... 6, 68
1001618 ..... 143, 145, 148
1001622 131
1001623 131
1001624 ..... 113, 131
1001641 131
1001642 131
1001643 131
1001644 131
1001645 131
1001646 131
1001647 131
1001649 131
1070214 ..... 135, 141, 143, 145
1102547 125
1102548 125
1900231 115
1900233 115
1900331 115
1900333 115

2000000

2811428 148
2811444 148
2811460 148

3000000

3050822 85
3051835 84
3052835 84
3053835 84
3120027 86
3120030 86
3120063 20
3120074 20
3120110 121
3120123 112
3120124 112
3120125 112
3120126 112
3120127 112
3120128 112
3150734 85
3153735 85

5000000

5991022 126
5991023 126
5991039 125
5991040 125
5991043 125
5991051 127
5991054 127
5991055 127
5991056 127
5991057 127
5991059 127

6000000

6401015 81
6401016 81
6401017 81
6401018 81
6764001 78
6764002 78
6764003 78
6764004 78
6764212 75
6764240 76
6764250 76
6764254 76
6764255 76
6764260 76
6764262 76
6764265 76
6764506 78
6765001 99
6765002 99
6765003 99
6765004 99
6765005 99
6765006 99

6765007 99
6765008 99
6765009 99
6765010 99
6765015 99
6765040 100
6765540 100
6766001 129
6766002 129
6766003 129
6766004 129
6766005 129
6766006 129
6766007 100
6766008 100
6766009 100
6766010 100
6768001 130
6768315 130
6768326 130
6768350 132
6768351 132
6769001 99
6769002 99
6769006 119
6769007 116
6769008 99
6769009 99
6774006 80
6774006K 11
6774009 82
6774009W 82
6774010 82
6774010W 82
6774011 82
6774011W 82
6774012 82
6774012W 82
6774013 82
6774013W 82
6774014 82
6774014W 82
6774015 82
6774015W 82
6774050 82
6774051 82
6774052 82
6774053 82
6774054 82
6774060 80
6776104 72
6776106 73
6776107 72
6776108 72
6776109 72
6776110 73
6776111 73
6776112 72
6776201 72
6776202 72
6776203 72
6776204 72
6776205 72
6776206 72
6776207 72
6776208 72
6776209 72
6776210 72
6776213 72
6776214 72
6776214CS 72
6776215 72
6776216 72
6776301 113
6776304 113
6776306 113
6776307 113
6776308 113
6776309 113
6776311 113
6776312 113
6776313 113
6776314 113
6776315 113
6776316 113
6776317 113
6776318 113
6776319 113
6776320 113
6776321 113
6776322 113
6776324 113
6776325 113

7000000

7401150 131
7401151 131
7411258 ..... 11, 59, 148
7411270 113
7411271 113
7411272 113
7411273 113
7411274 113
7411275 113
7411276 113
7411277 113
7411278 113
7411279 113
7411281 113
7411282 113

9000000

9600000 142
9600001 144
9600002 144
9600003 142
9600004 144
9600005 144
9700000 140
9700001 140
9700002 140
9700003 140
9800000 134
9800001 134
9800002 138
9800003 138
9800004 134
9800005 134
9800006 138
9800007 138
9990001 110
9990020 110
9990234 76
9990244 76
9990245 76
9990310 130
9990323 130
9990370 130
9990371 130
9990375 130
9990402 115
9990412 115
9990414 115
9990420 81
9990422 119
9990423 119
9990426 119
9990428 119
9990429 119
9990435 115
9990440 116
9990441 116
9990501 78
9990505 78
9990520 78
9990610 ..... 54, 59, 148
9990611 148
9990612 148
9990615 148
9990700 108
9990701 108
9990702 110
9990705 108
9990706 108
9990707 108
9990715 107
9990720 109
9990721 109
9990725 109
9990726 109
9990727 109
9990728 109
9990730 106
9990850 ..... 135, 141, 148
9990910 76
9990914 76
9990916 76
9990918 76
9990920 76
9990924 76
9990928 76
9991001 72
9991002 72
9991003 72
9991004 72
9991009 72
9991010 93
9991011 72
9991012 72
9991013 72
9991014 72
9991090 73
9991095 73
9999120 115
9999122 115

50000000

59910018 121
59910019 121
59910025 126
59910052 126

60000000

66610028 55
69800004 14
69800111 14
69810018 14
69810024 14
69810030 14
69810031 14
69810035 14
69810051 14
69810131 14

70000000

74200001 55
74200010 55
74210100 55
74210121 55
77210150 33
77210151 33
77210152 33
77210153 33
77210154 33
77510162 39
77510164 ..... 39, 49
77510166 49
77510167 ..... 39, 48
77510168 ..... 39, 45
77510170 ..... 39, 45
77510171 ..... 39, 45
77510174 39

77510175 39
77510178 ..... 39, 48
77510252 ..... 39, 50
77510261 ..... 39, 50
77510262 50

A

A67761142 73
A67761143 73
A67761144 73
A67761145 73
A67761146† 73
A67761147† 73
A67761223 73
A67761224 73
A67761225 73
A67761226 73
A67761327 114
A67761328 114
A67761329 114
A67761330 114
A67761331 114
A67761332 114
A67761333 114
A6776220 73
A77500015 39
A77510181 ..... 39, 48
A77510272 ..... 39, 45
A77510275 ..... 39, 45
A78010226 54
A78010404 54
A78010466 54
A78010467 54
A78010487 54
A78010505 54
A78010510 54
A78100001 42
A78300002 121
A78310251 121
A78410023 11
A78410024 11
A78410025 15
A78410026 11
A78710001 124
A78710003 123
A78710004 123
A78710005 123
A78710006 132
A78710013 121
A78710018 126
A78710020 123
A78710021 123
A78710022 124
A78900003 30
A78910014 30
A78910031 33
A78910032 ..... 30, 31
A78910033 ..... 30, 31
A78910036 30
A78910037 30
A78910039 30
A78910041 30
A78910047 ..... 30, 31
A78910056 33
A78910057 33
A78910058 33
A78910075 30
A78930200 30
A79200001 59
A79210050 59
A79210051 59
A79210052 59
A79210053 59
A79210054 59
A79210064 ..... 54, 59
A79210065 ..... 54, 59
A79210066 59
A79210067 59
A79210068 59
A79210069 59
A79210070 59
A79210072 59
A79210073 59
A79210079 59
A79210080 59
A79210081 59
A79230229 59
A79230230 59
A79500001 3
A79500002 3
A79500003 3
A79500004 3
A79500005 3
A79500006 3
A79510023 3
A80400011 152
A80400012 152
A80510041 151
A80510042 151
A80510083 151
A80510084 151
A81000001 17
A81000002 17
A81000003 17
A81000004 17
A81000005 17
A81000006 17
A81000007 17
A81000008 17
A81010026 17
A81010030 17
A81010031 17
A81010032 17
A81010033 17
A81010034 17
A81010035 17
A81010036 17
A81500001 54
A81500002 54
A82300001 11
A82310038 11
A82310101 11
A82610024 94
A82610060 68
A82610061 68
A82610062 68
A82610063 68
A82610064 68
A82610065 68
A82610066 68
A82610067 68
A82610068 68
A82610069 68
A82610070 68
A82610071 68
A82610072 68
A82610073 68
A82610074 68
A82610075 68
A82610076 68
A82610077 68
A82610078 68
A82610079 68
A82610090 ..... 6, 68
A82610091 ..... 6, 68
A82610092 ..... 6, 68
A82610093 ..... 6, 68
A82610094 ..... 6, 68
A82610095 ..... 6, 68
A82610096 ..... 6, 68
A82610097 ..... 6, 68
A82610098 ..... 6, 68
A82610099 ..... 6, 68
A82610100 ..... 6, 68
A82610101 ..... 6, 68
A82610102 ..... 6, 68
A82610103 ..... 6, 68
A82610104 ..... 6, 68
A82610105 ..... 6, 68
A82610106 ..... 6, 68
A82610107 ..... 6, 68
A82610108 ..... 6, 68
A82610109 ..... 6, 68
A82610110 7
A82610111 7
A82610112 7
A82610113 7
A82610114 7
A82610115 7
A82610116 7
A82610117 7
A82610118 7
A82610119 7
AP16629 17
AP17385 54

B

B1781 65
B1782 65
B1783 65
B1784 65
B1785 65
B1786 65
B1787 65
B1788 65
B10708 141
B12036 ..... 135, 141, 143, 145
B1780 65
B21110 135
B21111 145
B21112 145
B21115 ..... 135, 138, 141
B21125 ..... 135, 145
B21126 135
B21200 ..... 135, 138, 141, 143, 145
B21202 ..... 135, 138
B21203 135
B21211 138
B21215 135
B21228 143
B21229 141
B21231 143
B21232 ..... 143, 145
B21233 143
B21234 143
B21235 143
B21237 ..... 143, 145
B21238 145
B21239 145
B21240 145
B21241 145
B21242 145
B21243 145
B24200-250 106
B36115 ..... 135, 138, 141, 143, 145
B1000152 64
B1000200 56
B1000201 56
B1000734AQ 8, 70
B1000734BL 8, 70
B1000734GR 8, 70
B1000734GY 8, 70
B1000734LI 8, 70
B1000734OR 8, 70
B1000734PE 8, 70
B1000734PK 8, 70
B1000734TN 8, 70
B1000734WH 8, 70
B1000734YW 8, 70
B1000736AQ 8, 70
B1000736BL 8, 70
B1000736GR 8, 70
B1000736GY 8, 70
B1000736LI 8, 70

B1000736OR 8, 70
B1000736PE 8, 70
B1000736PK 8, 70
B1000736TN 8, 70
B1000736WH 8, 70
B1000736YW 8, 70
B1000737AQ 8, 70
B1000737BL 8, 70
B1000737GR 8, 70
B1000737GY 8, 70
B1000737LI 8, 70
B1000737OR 8, 70
B1000737PE 8, 70
B1000737PK 8, 70
B1000737TN 8, 70
B1000737WH 8, 70
B1000737YW 8, 70
B10011405 143
B1001200BL 65
B1001200GR 65
B1001200GY 65
B1001200WH 65
B1001200YW 65
B1001405 145
B1002490K 11
B1003279 ..... 135, 138, 141, 143, 145
B3120202 18
B3120202SH 18
B3120203 18
B3120205 19
B3120206 19
B5991050 127
B9990612CS 11
B9990800 130
B9990801 130
B9990802 130
B9990803 130
B35240070 15
B35310012 5
B35310050 5
B35600001 15
B35600002 15
B35610001 15
B35610002 15
B35610003 15
B81300006 5
B81300007 5
B81300008 5
B81300022 5
B81300023 5
B81300030 5
B81300031 5
B81300032 5
B81300033 5
B81300033 3
B81310001 5
B81310004 5
B81310005 5
B81310019 5
B81310054 5
B81320041 5
B81320043 5

C

C1003446 ..... 135, 138, 141, 143, 145
C1003447 ..... 135, 138, 141, 143, 145
C-750-AQ 8, 70
C-750-BL 8, 70
C-750-GR 8, 70
C-750-GY 8, 70
C-750-LI 8, 70
C-750-OR 8, 70
C-750-PK 8, 70
C-750-TN 8, 70
C-750-WH 8, 70
C-750-YW 8, 70
C76 112
C78/2-G 77
C78-G 77

E

E10/7 83
E10/75/BLUE 83
E10/87 83
E10/87/B 83
E10/AQUA 68
E10/B/AQUA 68
E10/B/BLUE 68
E10/B/GREEN 68
E10/B/GREY 68
E10/B/LID 6, 68
E10/B/LILAC 68
E10/B/ORANGE 68
E10/B/PINK 68
E10/B/TAN 68
E10/B/WHITE 68
E10/B/YELLOW 68
E10/BLUE 68
E10/BMW/AQUA 6, 68
E10/BMW/BLUE 6, 68
E10/BMW/GREEN 6, 68
E10/BMW/GREY 6, 68
E10/BMW/LILAC 6, 68
E10/BMW/ORANGE 6, 68
E10/BMW/PINK 6, 68
E10/BMW/TAN 6, 68
E10/BMW/WHITE 6, 68
E10/BMW/YELLOW 6, 68
E10/GREEN 68
E10/GREY 68
E10/LID 6, 68
E10/LILAC 68
E10/M7 81
E10/M8 81
E10/MW/AQUA 6, 68
E10/MW/BLUE 6, 68
E10/MW/GREEN 6, 68
E10/MW/GREY 6, 68
E10/MW/LILAC 6, 68
E10/MW/ORANGE 6, 68
E10/MW/PINK 6, 68
E10/MW/TAN 6, 68
E10/MW/WHITE 6, 68
E10/MW/YELLOW 6, 68
E10/ORANGE 68
E10/PINK 68
E10/S/LID 7, 69
E10/SMW/AQUA 7
E10/SMW/BLUE 7
E10/SMW/GREEN 7
E10/SMW/GREY 7
E10/SMW/LILAC 7
E10/SMW/ORANGE 7
E10/SMW/PINK 7
E10/SMW/TAN 7
E10/SMW/WHITE 7
E10/SMW/YELLOW 7
E10/TAN 68
E10/WHITE 68
E10/YELLOW 68
E100 91
E102 91
E102/25 92
E102/5 ..... 91, 92
E102/6 ..... 91, 92
E103 ..... 91, 94
E103/3 94
E104 95
E105 91
E106 91
E106/7 91
E106/9 92
E107 92
E107/53/CDUT 95
E10SM/BLUE 71
E10SM/GREEN 71
E10SM/PINK 71
E10SM/WHITE 71
E10SM/YELLOW 71
E16/2 114
E16/3 114
E16/4 114
E16/5 114
E18/1SL 20
E18/1SL/120 20
E18/37/10 87
E18/37/12 87
E18/37/4 87
E18/37/6 87
E18/37/8 87
E19 114
E22/01/A250/B 92
E22/01/A70/B 92
E22/01/A700/B 92
E30/1 93
E32 66
E32/6 66
E36 66
E37 66
E38 66
E39 66
E40/5 65
E43/10BLUE 60
E43/10GREEN 60
E43/10GREY 60
E43/11 64
E43/12BLUE 61
E43/12C/AQUA 62
E43/12C/BLUE 62
E43/12C/GREEN 62
E43/12C/GREY 62
E43/12C/LILAC 62
E43/12C/ORANGE 62
E43/12C/PINK 62
E43/12C/TAN 62
E43/12C/WHITE 62
E43/12C/YELLOW 62
E43/12CD/AQUA 62
E43/12CD/BLUE 62
E43/12CD/GREEN 62
E43/12CD/GREY 62
E43/12CD/LILAC 62
E43/12CD/ORANGE 62
E43/12CD/PINK 62
E43/12CD/TAN 62
E43/12CD/WHITE 62
E43/12CD/YELLOW 62
E43/12GREEN 61
E43/12GREY 61
E43/12MINI 61
E43/13BLUE 61
E43/13GREEN 61
E43/13GREY 61
E43/13MINI 61
E43/14BLUE 63
E43/14C (Cream) 63
E43/14GREEN 63
E43/14GREY 63
E43/14MINI 63
E43/15 63
E43/15HDWB 63
E43/15MINI 63
E43/16 63
E43/16MINI 63
E43/17 63
E43/21 64
E43/22/B 64
E43/22BLUE 60
E43/22GREEN 60
E43/22GREY 60
E43/22MINI 60
E43/25 63
E43/26 63
E43/27 63

E43/33BLUE 61
E43/33GREEN 61
E43/33GREY 61
E43/33MINI 61
E44 67
E45 67
E45/10 67
E45/20 67
E45/SR10 67
E45/SR5 67
E48/5 64
E49 66
E6/3 67
E65D/120 19
E65D/230 19
E66HC/120 18
E66HC/230 18
E66SLD/120 18
E66SLD/230 18
E7/15/CD 88
E7/28 88
E7/3 88
E7/35 88
E7/4 88
E7/5 88
E7/7 88
E7/7T 88
E89 93
E89/055 94
E89/11 93
E89/12 93
E89/13 93
E89/14 93
E89/16 93
E9/1 88
E90 95
E91 95
E93 95
E94 95
E95 95
E96 95
E97/5 91
E98 91
E99 92

H

HG-2050-2 75
HG-4000-012 75
HG-4000-144 75

L

LAMB/010-D 101
LAMB/020-D 101
LAMB/030-C 101
LAMB/040-D 101
LAMB/050-D 101
LAMB/060-C 101
LAMB/070-D 101
LAMB/080-D 101
LAMB/100-D 101
LAMB/110-D 101
LAMB/120-D 101
LAMB/130-D 101
LAMB/170-D 101
LAMB/190-D 101
LAMB/230-D 101
LAMB/240-D 101
LAMB/250-C 101
LAMB/260-C 101
LAMB/270-D 101
LAMB/280-D 101
LAMB/290-D 101
LAMB/310-D 101
LAMB/320-C 101
LAMB/340-C 101
LAMB/350-D 101
LAMB/360-C 101
LAMB/370-D 101
LAMB/380-D 101
LAMB/400-D 101
LAMB/410-D 101
LAMB/520-D 101
LAMB/540-A 101
LAMB/550-A 101
LAMB/610-K 108
LAMB/DP 115
LAMB/OIL 110

P

P12257 59

R

RM-2100 154
RM-2101 154
RM-2102 154
RM-2103 154
RM-2104 154
RM-2106 154
RM-2107 154
RM-2108 154
RM-2109 154
RM-2111 154
RM-2112 154
RM-2113 154
RM-2116 154
RM-9101 154
RM-9102 154
RM-9103 154
RM-9104 154
RM-9105 154
RM-9106 154
RM-9107 154
RM-9108 154
RM-9111 154
RM-9112 154
RM-9113 154
RM-9115 154
RM-9116 154
RM-9117 154
RM-9118 154
RM-9119 154
RM-9120 154
RM-9121 154
RM-9123 154
RM-9128 154
RM-9130 154
RM-9131 154
RM-9132 154
RM-9133 154

S

S52-2 112
S6-2 112
S75-1 112
S82-2 112
S87-2 112
S100-0 112
S100-2 112
S101-2 112
S102-2 112
S114-2 112
S115-3 112
S142-2 112
S16-2 112
S163-2 112
S164-2 112
S168-2 112
S169.5-2 112
S172-2 112
S176-2 112
S178-2 112
S178-3 112
S194-2 112
S197-2 112
S205-2 112
S208-2 112
S210-2 112
S212-2 112
S225-5 112
S23-2 112
S254-2 112
S265-2 112
S267-2 112
S269-2 112
S271-0 112
S287-2 112
S289-2 112
S305-2 112
S309-2 112
S338-2 112
S345-2 112

T

TA-060-AL 153
TA-060-QHD 153, 155
TA-060-SA 153
TA-125-ADQ 155
TA-125-AL 153
TA-125-QHD, 153
TA-125-SA 153
TL-015-QHD 153
TL-015-QHDM 155
TL-060-QAL 153
TL-060-QHD 153
TL-060-QHDM 155
TL-060-QHL 153
TL-125-QAL 153
TL-125-QHD 153
TL-125-QHDM 155
TL-125-QHL 153

W

W1 80
W11/4 80

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In order to enable us to provide the most efficient service possible, please have the following information ready when ordering:

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   If you are unsure of your account number, one of our friendly Customer Service Representatives will be happy to provide it to you.

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Note: We accept:

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To order quickly, please have this information ready:

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